BRUNO WALTER

a complete discography of his work on records

REISSUES . . . introducing a new department: reviews of vintage recordings in new longplay editions

THRUST, DUST, AND FRICTION

a guide to the preparations and paraphernalia for cleansing and preserving your microgrooves
Now even a professional audio engineering journal bows to the integrated, all-in-one component

...when it's the Fisher 500-C!

CIRCLE 36 ON READER-SERVICE CARD
We begin this issue of High Fidelity with a quotation from Audio:

(For complete enlightenment, fold out this page.)
Audio magazine was among the earliest apostles of the separate-component concept. But to the engineers who write and edit this professional publication, superior performance is superior performance, whether it comes on one chassis or a dozen. And here is what the Equipment Profile column of Audio has to say about the new Fisher 500-C:

“The 500-C incorporates a 75-watt (IHF) stereo amplifier, an FM-stereo tuner and an audio control center, all on one 36.5-lb. chassis... The 500-C is a catalog of conveniences...

“The most convenient feature is automatic switching between stereo and mono FM reception; all one does is tune in an FM station and the 500-C does the rest: If the broadcast is monophonic, the receiver sets itself for monophonic playback; if the broadcast is stereo, the receiver automatically switches to stereo playback and turns on a light to tell you about it. No, the 500-C doesn’t turn itself on and off, but once it’s on...

“In addition to the usual complement of audio controls, the 500-C... permits two pairs of speakers to be operated simultaneously or either pair separately... With the center-channel output the 500-C enables the user to operate, and control, five speaker systems at the same time; truly an exciting prospect for audiofans who like to surround themselves with sound.

“...We found that the tuner drifted less than 0.01 per cent.

“The output transformers are quite husky (we have a strained back to document that)...

“...It is our opinion that one would have to pay considerably more to get performance equal to the 500-C in separate components.

“...The FM section pulled in 36 stations, loud and clear...

“Considering the performance, and the many features, and the quality of the parts, we doubt that you could do better in separate components at anywhere near the price of the 500-C. Don’t misunderstand us now, we firmly believe that it is the component design approach that makes such an excellent value possible. On the other hand it should be clear from the performance statistics that the Fisher 500-C is an excellent instrument by any standards.

“One thing more: the Fisher 500-C is an unusually fine sounding unit, a fact not necessarily revealed by statistics... We took an instant liking to it.”

The price of the Fisher 500-C is $389.50. The Fisher 800-C, with both AM and FM-Stereo but otherwise identical, costs $449.50. Also available is the Fisher 400, an only slightly more modest receiver with FM-Stereo only, at $329.50. Walnut or mahogany cabinets for all models, $24.95. All prices are slightly higher in the Far West.
By implication, and sometimes overtly, we have been led to believe that separate components are inherently better than integrated components. Well, 'taint necessarily so.

—AUDIO magazine, December. 1963
what makes an automatic sound like a turntable?

The U38!
expressly designed for automatic turntables

The new generation of automatic turntables tracking and tripping at lower and lower forces demands this new kind of cartridge. Demands a "floating stylus" that protects your diamond and record as it plays... demands complementary electrical characteristics which maximize the use of forward-looking circuitry whether vacuum tube or solid state. The U-38 meets these demands and makes your automatic sound like a turntable. With Pickering's famous plug-in replaceable stylus assembly you get a cartridge with a life-time of trouble free performance.


U38 cartridge with AT Stylus... 2.5 grams tracking force ATG... 1.3 grams

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high fidelity

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JANUARY 1964 • VOLUME 14 NUMBER 1
If you're willing to pay anything for professional quality... but would rather not

The Concertone 605 is for the one man in several who can't stand less than perfection... but can't see why professional quality should cost so much. Never before have so many features and so much professional quality been available at this price. Read ahead carefully and see: Precision plug-in head assembly... includes four precision heads; Separate microphone and line controls (input can be mixed); Delay memory control circuit (never spill or break tape); Automatic glass tape lifters, including electric cue feature; Sound on sound and add sound; Solenoid operated brakes; Three motors, including 2-speed hysteresis synchronous drive; Automatic rewind; Exclusive Reverse-O-Matic®. Learn all about the 605 in complete detail. Ask your dealer for a demonstration or send for free literature today.

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The Concertone 607 with higher impedance is for the true professional or broadcaster. Remote control optional. This superb tape recorder is constructed to 19" x 14" dimensions, permitting it to be used as an exact replacement for old or outdated tape recorders.

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For people on the go... it's the Cosmopolitan - Combination Tape Recorder with AM Radio. A versatile companion and co-worker for business or pleasure travels. 5" reel capacity, Push-button operation. Amazing fidelity, Remote mike. Foot-pedal control. This all-transistorized recorder has big recorder features in miniature form.

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CIRCLE 6 ON READER-SERVICE CARD

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Not too long ago, Audio Magazine reported this about the Troubadour...."We tried to induce acoustic feedback by placing the turntable on top of our large speaker system and turning up the gain—we were unsuccessful."

No larger than a record changer—every inch a Troubadour. Minimum space requirements 157/8" wide x 131/4" deep...height required above mounting board 23/4"; depth required below turntable base plate 31/2".

Famous Empire 398...professionals' turntable—too perfectly engineered for even a whisper of distortion...too handsome to hide behind cabinet doors.

That's why we're proud of the new Empire 488 & the 398....Look for the little sign in better showrooms across the country, that simply states "Dancing Allowed with the new Empire 488."
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MUSINGS FROM THE KARRS

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NATIONAL SYMPHONY ORCHESTRA

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"Will make your hair stand on end." —Neueuweck


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"Will make your hair stand on end." —Neueuweck


THE MORMON TABERNACLE CHOIR


COLUMBIA RECORDS

THE CITATION FOR ORGAN

"Will make your hair stand on end." —Neueuweck


HIGH FIDELITY MAGAZINE

CIRCLE 23 ON READER-SERVICE CARD

HIGH FIDELITY MAGAZINE

www.americanradiohistory.com
HERE'S A TRULY WONDERFUL SELECTION OF CLASSICAL RECORDINGS that belong in any record collection! By joining the Columbia Record Club now, you may have ANY SIX of the superb records shown on these pages—FREE! Simply write in the numbers of the SIX records you wish to receive FREE on the coupon below. Then choose another record as your first selection—for which you will be billed only $3.98 (regular high-fidelity) or $4.98 (stereo). In short, you will receive seven classical records for less than the price of one! Be sure to indicate whether you want your seven records (and all future selections) in regular high-fidelity or stereo.

HOW THE CLUB OPERATES: Each month the Club's staff of music experts selects outstanding records from every field of music. These selections are fully described in the Club's entertaining music magazine which you will receive free each month. You may accept the monthly Classical selection—or take any of the wide variety of other records offered in the Magazine—or take no record in any particular month.

Your only membership obligation is to purchase six additional records from the more than 400 to be offered in the Club Magazine during the coming 12 months—and you may discontinue membership at any time thereafter. If you continue, you need buy only four records a year to remain a member in good standing.

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MAIL THE COUPON TODAY to take advantage of this offer.

NOTE: Stereo records must be played on a stereo record player.

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Send my 7 records and all future selections in [ ] REGULAR [ ] STEREO

Enroll me in the Classical Division, with the understanding that I may select any of the other records offered. I agree to purchase six additional records from the more than 400 to be offered in the coming 12 months, at the regular Club price plus a small mailing and handling charge. After fulfilling this agreement, if I wish to remain a member in good standing, I need purchase only 4 records a year, and I will receive a 12" record of my choice FREE for every two such records I purchase.

Name:
Address:
City...ZONE........State...
Telephone Number...

Also send me this record as my first selection.

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Terre Haute, Ind.

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CITY: INDIANA

CANADA: prices slightly higher; 1111 Leslie St., Don Mills, Ont.
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PRESENCE

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Guarantee yourself the best seat in the house for tonight’s FM concert... install a fidelity-phased FINCO FM antenna.

John T. McClure, Music Director of Columbia Masterworks, was responsible for the Bruno Walter recordings in California from their inception in 1938 until the time of his death. His recollections of those years form the substance of “An Education and a Joy” (p. 40), a memoir obviously written out of gratitude and affection. Since working with the late Maestro, Mr. McClure has gone on to supervise the recordings of many other distinguished artists, and in the time left from professional labors has established himself and his family in Valhalla (sic, a hilly town in Westchester, and no picturesque intimation on our parts of Wagnerian splendors). There he finds moments to play his harpsichord (half of them go to tuning, he says) and to indulge his enthusiasm for sailing, skiing, camping, and such equally non-sedentary pursuits as carpentry and stonemasonry.

With “The Heritage of Bruno Walter” (p. 44), Robert C. Marsh has produced another of those discographies which have distinguished High Fidelity’s pages over a number of years. While Mr. Marsh has at diverse times in his career been a student of semantics, political economy, and mathematical logic (his book Logic and Knowledge is a critical edition of papers by Bertrand Russell), music has been his most enduring love and orchestral music his special forte. In this field he has established his authority with Toscanini and the Art of Orchestral Performance and has maintained it with a succession of critical writings. The discography herein is based not only on many hours of listening to the Walter recordings but on personal conversations with Dr. Walter.

Joseph Marshall, author of “Thrust, Dust, and Friction” (p. 49), is a designer of electronic components and a professional audio consultant who, after more than thirty years’ experience, still persists in describing himself as an amateur. We think he must have in mind the root meaning of the term, and in this sense we feel he has a right to his preference. Certainly, in the several books and hundred of articles he has written on various aspects of sound reproduction there is in evidence that quality of dedicated personal involvement characteristic of the true high fidelity aficionado. Furthermore, Mr. Marshall has never lost sight of the ultimate aim, the music itself.

Giving the lie direct to that old saw that teaching and doing are quite incompatible, Britisher Denis Stevens has for fifteen years combined two careers—as musicologist and conductor. For part of each year he may be found in this country as a Visiting Professor (currently at Pennsylvania State University), for the rest of the year in Europe as director of the Accademia Monteverdiana and the Ambrosian Singers, both of which groups he was instrumental in founding. With his musicians Mr. Stevens appears frequently in concert and television performances—with programs ranging from Byzantine chant to contemporary motets—and is occupying an increasingly conspicuous place in the record lists. Presently engaged in compiling a one-volume Concise Grove’s Dictionary, he has also found time to write for us an essay that is both jux d’esprit and serious critique: see “A Souçon de Vibrato,” p. 53.
A magnificent new stereophonic high fidelity tape system; precise, versatile, complete in itself, the Sony Sterecorder 500, with the revolutionary lid-integrating speakers, may be purchased for less than $399.50 complete with two F-87 cardioid dynamic microphones.

Outstanding operational features distinguish the amazing new Sony Sterecorder 500:
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- Microphone and line mixing
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Sony tape recorders, the most complete line of quality recording equipment in the world, start at less than $79.50.

For literature or name of nearest dealer, write Superscope, Inc., Dept. 1, Sun Valley, Calif. In New York, visit the Sony Salon, 585 Fifth Avenue.

CIRCLE 62 ON READER-SERVICE CARD
Mr. Peter Pritchard, President and Chief Design Engineer, Audio Dynamics Corporation.
Can a new magnetic cartridge be *that* different? The ADC Point Four Stereo Cartridge is. It embodies a concept sufficiently unique to establish a new type of playback head. We call the Point Four an "Induced Magnet Transducer". But that is not the only reason for putting it in a class by itself. We also believe it to be the most advanced cartridge available anywhere today.

Although there are many "magnetic" cartridges, the term embraces a wide variety of variable reluctance, moving coil, moving magnet, and moving iron designs. Each is a distinct type, with advantages and disadvantages unto itself. Much hard thinking has gone into ways of wedging the virtues while skirting the drawbacks. The result, in this case, was something more than the best balance of compromises and reconciliations. The "Induced Magnet Transducer," in achieving new and impressive goals, goes about the business of reaching them in its own way.

The cold specifications are here. Proof of what they mean is up to your own ears. Some of the points, however, to which we'd like to call special attention are the significantly reduced mass of the moving system, the optimum tracking angle of 15°, the extremely low distortion, and the high compliance.

As to the mass, let's remember that the first duty of the stylus is to track the shape of the recorded groove as accurately as possible. To the extent that it falls short here, we cannot have complete fidelity. Unfortunately, to finish its job, the stylus must also push a load that will ultimately produce an electrical signal. Whatever the load — it may be a magnet, a set of coils, or a bit of iron or steel — it has mass. And this mass must inhibit the freedom of the stylus to track the groove. Mass of the moving system in the Point Four is reduced to half or less that of systems previously regarded as low-mass designs.

How was this done? Consider the usual load on the stylus. Sometimes the cantilever or stylus arm is itself the heavy, steel armature that must be moved. Sometimes the arm is a desirably light, aluminum tube — which must nevertheless, in turn, move a heavy magnet or set of coils. The Point Four stylus is mounted at one end of the desired aluminum tube — but the other end extends into a light armature of soft, magnetically permeable, iron tubing.

A heavy magnet is on the premises, but it has no physical connection with the moving system. It is completely outside the cartridge body. In fact, it is mounted on the easily replaceable stylus assembly, and positioned to induce high density of magnetic flux in the armature. The efficiency of this method actually assists in permitting armature weight to be reduced.

The end of the pivoted armature away from the stylus is near the pole pieces of the pickup coils, with the coils being well back into the cartridge. The remote position of the magnet with respect to the main structure, including the coils, ensures freedom from saturation and hysteresis distortion — serious effects that are beyond control by conventional shielding.

The physical configuration of the stylus assembly yields another important advantage. With the pivot point brought close to the record surface, obtaining the now established tracking angle of 15° is no problem. This requirement may seem simpler than it is, at first. But the pivot point of the stylus assembly is often high above the surface, because the assembly must move something well up into the "guts" of the cartridge. It is well understood that the most important factor in the tracking of a tone arm is the location of its pivot point. The analogy holds true for the pivot of a stylus arm, as well.

Its angle of vertical motion is not the only feature of the stylus. We use a nude diamond, which we grind and polish to a radius of .0004 inch. We have found this radius optimum for all modern recordings, both mono and stereo.

On the practical side, the stylus assembly is exceptionally easy and convenient to replace. The stylus itself is retractable to protect itself and your valuable records. As to the quality of the sound, we have already said that it is up to you and your ears. We can only hope that you try it with equipment that will do it justice.

**Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>Induced Magnet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>5 mV at 5.5 cm/sec</td>
</tr>
<tr>
<td>Channel Separation</td>
<td>30 db, 50 to 8,000 cps</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>10 to 25,000 cps ≤2 db</td>
</tr>
<tr>
<td>Stylus Tip Radius</td>
<td>.0004 inch</td>
</tr>
<tr>
<td>Vertical Tracking Angle</td>
<td>15°</td>
</tr>
<tr>
<td>IM Distortion</td>
<td>Less than 1/2, 400 and 4,000 cps at 14.3 cm/sec</td>
</tr>
<tr>
<td>Minimum Compliance</td>
<td>Vertical and Horizontal</td>
</tr>
<tr>
<td>Price</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

1. Coils
2. Pole pieces
3. Mu-metal shield
4. Stylus assembly
5. Magnet
6. Armature
7. Pivot block
8. Stylus
9. Aluminum cantilever tube

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**allegra means lively**

In recent years in New York, Eugene Istomin, Isaac Stern, and Leonard Rose have often played together for that private pleasure in performance peculiar to chamber music. But they did not appear together in public until 1961, at a festival in Israel. Their reception on that occasion was so encouraging that they decided to try again; and when I saw them at a cocktail party in Paris recently they were just winding up a European tour which had established them as one of the important trios of modern times. In fact, they seemed to have fused their personalities so thoroughly that they talked and thought as a trio. And so our conversation went like this:

**Question:** "Who is boss?"


Istomin: "Three good strong egos. Three big shots."

Stern: "It's like reaching for something, through a fog, and sometimes it helps to be plural. Then we find the magic in the music together."

Istomin: "Really, nobody dominates. We just scream at each other about the tempo."

Rose: "It is odd, but we were good friends before we started this tour, and now we are better friends."

**Question:** "Yes, but doesn't the fact that each man is a virtuoso with his own career raise some problems?"

Rose: "We play virtuoso works."

Istomin: "You have to be a virtuoso to play in a trio. Maybe you can get away with being something less in a quartet, when the first violin has the hard job, but not in a trio."

Stern: "It's like automobiles. You want one that can do two hundred miles an hour—not that you are actually going to drive at two hundred miles, but so you can really purr along at eighty."

Rose: "Let's say it. The trouble with many trios is that one or two of the members may not be good enough to play alone. And that is true of quartets also. My experience there has absolutely convinced me that Beethoven, for example, requires virtuoso interpretation. What he says in his great symphonies he says in his quartets."

Istomin: "All the first-rate trios have been composed of first-rate soloists—Corot, Thibaud, and Casals, for instance."

Rose: "Also, you have to be ready to play a lot of things. The airplane has done that to us. Paderewski, visiting relatively few cities with long train and boat trips between concerts, could actually make a tour with a repertory of a couple of works. But we play in Geneva one night, Paris the next night—and we can't offer the identical program everywhere."

Istomin: "And although groups like ours enable people to hear great music which is not played very frequently, names are needed to fill large halls. Management sees the core of chamber music lovers in each city is not enough to support such concerts."

Rose: "In Tel Aviv, at the start of our tour, we had three hundred people

*Continued on page 16

They talk and think as a trio: Rose, Istomin, Stern.
COMPLIANCE: can there be too much of a good thing?

Have you any idea of the quality you would hear from a record if the cartridge produced a perfect waveform of the sound groove? Yet, from all the talk you hear, you'd think *stylus compliance* were the only criterion of cartridge performance.

Admittedly, high compliance is essential if the stylus is to follow or 'track' the complex course of the record groove with reasonably low force. But, how high is high enough, and how much is too much?

While 'tracking', the stylus performs complex movements set up by the sound pattern pressed into the groove. But, the movement of the stylus doesn't produce the sound of the sound waveform. This is accomplished by the movement of the magnet, as you can see from the cross-sectional view, at the other end of the cantilever to which the stylus is affixed.

If magnet and stylus do not execute identical motion patterns, due to the slightest flexibility in the cantilever, an altered or distorted waveform will result. Quality and fidelity will suffer.

This problem becomes most acute with increased stylus compliance. For, in reaching for higher and still higher compliance, it becomes necessary to reduce the dynamic mass of all the moving components of the stylus assembly to the lowest possible magnitude.

The mass of the stylus itself is virtually fixed by the radius of the tip. Further reduction of the magnet mass is limited by minimum output requirements. But, the mass of the cantilever can be reduced by using less material. This, however, entails the risk of making it thinner, more flexible and more prone to bend during stylus excursions. This flexibility is often mistaken for compliance. It will, in fact, produce 'false' higher readings in compliance measurements.

As stylus compliance is increased, the tone arm also plays a more critical role. If arm friction is high with relation to the compliance of the stylus or — putting it another way — if stylus compliance is so high as to be greater than the arm's own compliance or responsiveness to the spiral action of the groove, the resultant 'drag' will prevent proper tracking. And if stylus force is increased to correct for this condition, the greater force is likely to compress or decenter the cantilever. In either case, distortion is inevitable.

The new Elac 322 is the culmination of an intense, year-long engineering program concerned primarily with improving cartridge performance. The ultimate objective was to achieve a cartridge without distortion, without crosstalk — a cartridge capable of reproducing a perfect waveform replica of the sound groove.

How close the Elac 322 has come to this ideal is evident from its performance. Specifications offer some clue. But, numbers can never convey the emotional experience in quality, the personal gratification that comes with hearing good music and good sound.

The new Elac 322 reproduces all frequencies from 20 to 20,000 cycles, ± 2 db, and with less than 2% intermodulation distortion. Interchannel separation measures better than 25 db at 1000 cycles, and over most of the spectrum. It measures 20 db at 10,000 cycles, and an incredible 12 db at 20,000.

The stylus has a compliance in the order of 14 x 10⁻⁶ cm/dyne. Recommended tracking force with most arms ranges from 1.5 to 3 grams. It will, however, track at 1 gram with some arms. A magnesium cantilever is used because of its lighter weight and greater rigidity than aluminum, the material most often used in stylus assemblies.

Price of the Elac 322 stereo cartridge with .52 mil diamond stylus is $49.50. Also available: Elac 322 compatible mono/stereo cartridge with .7 mil diamond stylus at $39.50. At your hi-fi dealer. For further details, write to:

BENJAMIN ELECTRONIC SOUND CORPORATION
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Sole U.S. distributor for Electroacoustic (Elac) & Record Playing Components.

THE NEW ELAC MODEL 322 STEREO CARTRIDGE
The depth probing Ad-men will shudder at the use of such a title but we can think of no better description for a good loudspeaker.

Character in the music; character in the instruments; character in the artist—yes, but no character in the loudspeaker, please!

DEALERS ONLY. Specialist high fidelity dealers with demonstration and service facilities are still required in several areas for appointment as QUAD agents. Write for details of this interesting scheme.

for the closest approach to the original sound.

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CIRCLE 2 ON READER-SERVICE CARD

HIGH FIDELITY MAGAZINE
Audio Fidelity Records have always had a greater appeal to men. We don’t know why exactly, except that they are a quality product. They sound better. Perhaps men are more “sound” conscious. We’ll admit too that some of our material has a predominantly male appeal. Mostly though, Audio Fidelity records are different, powerfully different. Men like them!

**THESE ARE SOME TIME-TESTED AUDIO FIDELITY ALBUM FAVORITES!**

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- **BAWDY SONGS** and Backroom Ballads. Vol. 1, Oscar Brand—Lusty, spicy musical folklore. —Roll Your Leg Over, No Hips At All, Sam Hall, etc. AFLP1906
- **PORT SAID**, Mohammedi El Bakker—Tantalizing love songs, exotic dances. Haun Meek, Bint II Geram, Al Jazair, etc. AFLP1833/AFSD5833
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- **MAGNIFICENT MANDOLINS, Dick Die & Mandolin Orchestra**—Perhaps the finest mandolin sound on record! Summertime In Venice, Brasilia, etc. AFLP1963/AFSD5963
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Tape recorders, transports, cartridge players—even for your car or boat—at reputable high fidelity dealers most everywhere.

NOTES FROM ABROAD

Continued from page 12

yelling and stamping their feet. Eugene wanted to take them with us just to be sure, but it turned out we didn't need them.”

Question: “Have you had revelations in your repertoire?”

Istomin: “Well, of course we were already very familiar with it all, but the Schubert E flat trio.”

Stern: “A private exaltation, difficult to play because you must not be sentimental...”

Rowe: “Opus one hundred, like finding a diamond...”

Istomin: “It has become something special for us. We want to go further into it. We played it only once in public, since it is very long and people feel cheated if there are only two things on the program.”

Question: “Any recording plans?”

Stern: “Nothing definite, but we certainly intend to make some records, and hope to get together in New York next spring.”

Question: “Will that modify some of your interpretations? I mean, do you accept the theory that there are now two aesthetics—one for the concert hall and the other for recording?”

Stern: “I suppose we'll soon hear people saying that the sound engineer was in good form last night—adding perhaps that there was a musician around somewhere.”

Question: “Did any of the critics over here bring up the alleged differences between the American sound and the traditional European sound?”

Stern: “A strong offense is the best defense.”

Rowe: “Great teachers create traditions, and our great teachers in America have been Europeans.”

Stern: “In America we have all the European national traditions without their gaps. Anyway, we talk about traditional sounds when the truth is that orchestras have really been in tune for only about sixty years.”

ROY MCMULLEN

LONDON

In four and a half evening sessions at Kingsway Hall, Peter Pears, with his friend Benjamin Britten as accompanist, recorded for Decca-London the Winterreise cycle of Schubert and the Dichterliebe cycle of Schumann, thirty titles in all. In Gute Nacht, first of the twenty-four Schubert songs, a dog was heard yapping during the closing couplet of Wilhelm Müller’s fifth stanza: “Lassiere Hunde heulen! Vor ihres Herrn Hauss!”—which, in effect, invites stray dogs to howl outside their own master’s house.

Pears stopped singing. Britten stopped playing, and recording director John Culshaw in the control room stopped directing. In mingled consternation and
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as the best that money can Buy

(without frills)

This photo and caption (the price is an approximation) appeared in the September 1963 POPULAR SCIENCE as part of an article entitled "The Low-Down on Hi-Fi Stereo." It is a picture of those high fidelity components which, according to a panel of experts, provide the best sound possible today.

$700

The panel carefully considered return-for-the-money, but "where there was a more expensive component that produced a detectable improvement in sound, it was chosen."

These components are recognizable to hi-fi enthusiasts as the AR two-speed turntable, the Dynakit PAS-2 preamplifier, the Dynakit Stereo 70 dual power amplifier, and the AR 3 loudspeakers.*

*They have been on demonstration as a system for several years at the AR Music Rooms, on the west balcony of Grand Central Terminal in New York City, and at 52 Brattle St., Cambridge, Mass. No sales are made there; you may ask questions if you like, but most people just come and listen.

More detailed information, including a list of dealers in your area, is available from:

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CIRCLE 1 ON READER-SERVICE CARD
ON A DESERTED MOUNTAINTOP
10,000 FEET ABOVE THE CALIFORNIA DESERT
THE SCOTT MONOPHONIC 310
IS ABOUT TO BE REPLACED...
BY THE NEW TRANSISTOR 4312 STEREO TUNER

High atop Mount Santa Rosa, in California, the Palm Springs Television Company has been using monophonic Scott 310 broadcast monitors to relay FM programs from Los Angeles 105 miles away to the town of Palm Springs, directly behind the mountain. With the advent of stereo, new equipment was needed that would be as reliable as the 310, and provide the same performance... now in stereo.

After an exhaustive study of available tuners, the brand new Scott 4312 transistorized tuner was selected for the job. Like the 310's they are replacing, the new Scott 4312's will have to undergo a punishing ordeal on the mountaintop. Towering snowdrifts make these tuners completely inaccessible for many months of the year. There is no margin for error... these tuners have to work perfectly, with unvarying reliability. They cannot drift even slightly during the entire period.

Robert Beaman, Chief Engineer for Palm Springs Television Company, emphasized the two basic factors in the selection of the Scott 4312:
1. The radically new Solid State circuitry, designed by Scott, provides the optimum in stability and assures years of cool-running, trouble-free performance... a must for a remote location like Mount Santa Rosa.
2. New Scott transistor circuitry makes possible three-megacycle detector bandwidth which provides a new standard of stereo separation not previously achieved with vacuum tube tuners.

FOR NEW SCOTT CATALOG CIRCLE 100 ON READER SERVICE CARD
Here are the seven features that make the Scott 4312 the world’s first truly reliable TRANSISTORIZED tuner.

1. Transistorized time-switching multiplex circuitry. Separation in excess of 35 db at 400 cps, a new industry standard.
2. 3-megacycle detector, widest of any tuner ever designed. Results in extremely good stereo separation, drift free performance, excellent capture ratio.
3. Nuvistor front end. Nuvistors chosen for their reliable performance and extremely low cross modulation, in excess of -65db. This outstanding design specification assures you that strong local stations show up only once on the dial.
5. Sensitive tuning meter and antenna orientation indicator.
6. Transistorized Auto-Sensor circuitry instantly switches to stereo mode when stereo broadcast goes on the air.
7. Professional slide-rule tuning, with heavily weighted mechanism, and use of ball-bearings throughout. Assures true velvet-touch tuning. $365*

H. H. SCOTT INC., 111 Powdernill Road, Maynard, Mass.

amusement, everybody engaged in a hunt for the dog, which was finally found locked in the caretaker’s quarters. Once rescued from duress, the poor animal fell silent—and as the playback finally revealed, the canine voice hadn’t actually gotten on to the tape. In a way I wassorry. If trained to yap in the right key and rhythm, it might have added a touch of picturesque realism to the proceedings. The sessions ended on the eve of Britten’s fiftieth birthday, by the way, in an atmosphere of bonhomie appropriate to such occasions.

Harps, Flutes, and Little Meringues.
EMI's No. 1 studio at St. John’s Wood recently presented a scene that was almost familial. Out on the studio floor, backed by the Bath Festival Orchestra, with Yehudi Menuhin on the podium, flutist Elaine Shaffer and harpist Marilyn Costello were playing Mozart’s Concerto K. 299. Acquaintances for almost twenty years, these soloists had first played this work together as students at the Curtis Institute of Music, in Philadelphia, in 1945. On the present occasion they had an especially appreciative audience in the persons of Efrem Kurtz, the well-known conductor and husband of Miss Shaffer, and L. D. Dannenbaum, American businessman and husband of Miss Costello.

Mr. Dannenbaum told me how his wife nurses, coaxes, and retunes her Salzedo harp, positively mothering her highly temperamental instrument through vagaries of temperature and humidity and theills attendant upon travel in ships’ holds and gear-grinding trucks. When on tour she always carries a complete set of spare pedal rods, so as not to be caught out if they all break at once. Mr. Kurtz was similarly interested in his wife’s instrument. Her flute, he said, is of 14-carat gold, the twenty-fifth and last instrument of its kind made by a noted American craftsman named Powell, now dead. It both looked and sounded as princely as such a provenance would suggest.

With the Mozart out of the way, Miss Shaffer and Menuhin launched upon John Philipp Telemann’s A minor Suite for Flute and Orchestra. At both lots of sessions, Telemann and Mozart alike, Mr. Kurtz acted as ex-officio host. Every afternoon he brought in delicacies from Fortnum’s and presided over teatime feasts which included such confections as those marvelous morsels of chocolate-coated cream sold—when you can get them—as petites meringues enrobes.

Final playbacks left everybody content. Menuhin and his Bath players packed up and moved out. The Philharmonia Orchestra moved in. It was now Mr. Kurtz’s turn to take the podium. From his labors two discs will result: one a selection of ten movements from the two concert suites which Prokofiev
WHO WANTS TO SEE A TAPE RECORDER IN A LIVING ROOM

YOU DO
(if it's Miranda!)

Two magnificent new stereo tape recorders featuring major electronic advances... plus the beauty of genuine teakwood cabinetry!

MIRANDA Sorrento Sophisticated solid-state circuitry, comprising an impressive array of 21 transistors and 19 diodes. Electronic matrix-type push-button switching positively and instantaneously controls every mode of tape transport. Tape-handling mechanism includes automatic tape lifters and tension bars. Other features include: built-in 4" x 6" full range dual speakers, automatic shut-off for motors and amplifiers, three motors plus servo motor for remote control, illuminated VU meters, pause switch, electronic switching delay, 3½ and 7½ ips., records and plays 4-track stereo. Priced at $400.00

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SORRENTO REMOTE CONTROL: All tape transport controls plus separate channel volume controls, and 16 ft. cable. Priced at $35.00

At last... the first truly practical design in tape recorders. Miranda is housed in genuine teakwood cabinetry that blends with and enhances any decor. No glaring chrome trim... no jagged outline disturbs its simple, classic elegance. More than a fine tape recorder, Miranda is also a fine piece of furniture that you can display with pride. Write for free literature to Dept. HF-1.

January 1964
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HYSTERESIS SYNCHRONOUS MOTOR. Pabst is its name. Pioneered by Rek-O-Kut. For constant speed no matter what the variation in line voltage. It's the first time this motor (used in our higher-priced units) has been used in a system at this price.

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Symphony No. 1

The music is spacious, transparent, alive with detail in proper perspective — utterly faithful to the texture and dynamics of the original, as you expect from Bozak speakers. The B-4000, distinctively styled in mahogany or walnut, is surprisingly small for such big music. A pair are unobtrusive in even a modest living room. They are also available in kit form. Ask your Franchised Bozak Dealer, or write for catalog.
CIPHER VII STEREO

In so many ways, the new Cipher VII stereo tape recorder is heads above the crowd: records and playback in 4-track, 3-speed stereo or monaural, records sound-on-sound, and its two full-range speakers are detachable for best positioning. Cipher VII can be played horizontally or vertically, or it can be installed into your present hi-fi system.

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For brochure and name of nearest Cipher dealer, write to:
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CIRCLE 41 ON READER-SERVICE CARD

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NOTES FROM ABROAD

Continued from page 20

derived from his Romeo and Juliet ballet music and published in 1938; the other, a coupling of suites from two Rimsky-Korsakov operas—Snow Maiden and Tsar Salam.

Prokofiev in the Direct Line. It was the Prokofiev sessions that particularly fascinated me. Not only was there the joy of hearing the Philharmonia players in music characterized by so much glitter, gold, and purple but there was also a feeling of main-line transmission behind Kurtz’s conducting. Only nine years Prokofiev’s junior, Kurtz was at St. Petersburg (Leningrad) Conservatory for an overlapping year with the composer before the Kaiser’s War and vividly remembers his end-of-term performance of the Piano Concerto No. 1. It was this work that won Prokofiev the coveted Rubinstein first prize and, incidentally, the confirmed hostility of the Conservatory’s all-powerful director, Alexander Glazunov. To Glazunov, young Prokofiev’s stylistic levity and harshness—or what seemed harshness then—were anathemas. Kurtz testifies that when, soon afterwards, Prokofiev gave a further performance of his concerto, this time under Tcherepnin, at the Conservatory graduation exercises, Glazunov got up and ostentatiously left the hall as soon as Prokofiev appeared on the platform. This detail seems new to the record. I do not at any rate, see it in Prokofiev’s autobiography or in the standard Soviet “life.”

As a youngster in Tsarist Russia, Kurtz found Prokofiev’s music enigmatic and disturbing. He did not really begin to fathom it until the Twenties, when he had become a free-lance conductor in Germany. Now, it is in his bloodstream, a segment of his life and mind. This was borne in upon me most emphatically during his section rehearsals and the ultimate shaping and reshaping of the scene of Tybalt’s death. Upon this movement Kurtz spent a whole evening. Later, he talked with me: “The Philharmonia hadn’t played Romeo and Juliet before, so to begin with I gave them a deliberately slow tempo and concentrated on the accents. All this was so they should get the ‘feel’ of the score. The last take of the day, when theoretically the men should have been stale, was the best. When you’ve conducted orchestras a hundred times a year for forty-three years, you know a trick or two.”

CHARLES REID
Stereo Receiver, star of the single compact unit... Price this combination at $209.95 factory-wired, and at $154.95 in a new kit pack that makes building a delightful experience—and what do you have? The Classic 2536 Stereo Receiver, star of the new Eico Classic Series, and a component that matches or surpasses the performance of components selling at substantially higher prices. How? Simple. It's pure performance. Stripped of everything but the finest basic circuitry. Examine the specifications yourself. Compare them with those of more expensive units. Listen to the 2536—then to higher priced units. Can you see or hear a difference worth paying for?

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Who says Christmas is over? It isn't—not when you can get a superb recorded tape for a fraction of its actual cost just for trying a 7" reel of Double Recording Audiotape on Tempered "Mylar." (A great tape in itself: double length plus double strength.) Just buy a reel of Double Recording Audiotape (Type 2431T) at the regular price, and for only $1.00 additional come away with The Melody Lingers On—a magnificent 55-minute program of great popular standards. These unforgettable melodies are performed in luxurious arrangements from the Everest stereo library, long noted for the superb quality of its recordings. The $1.00 price tag is even more remarkable when you consider that the entire program is recorded on a reel of standard Audiotape which actually sells for more than twice that price! So even if you erased the tape (heaven forbid!) you'd still be ahead of the game. Go to any store that carries Audiotape products and buy a reel of Double Recording Audiotape, Type 2431T. Then add one dollar for The Melody Lingers On, a great tape that you and the women in your life will treasure. Available only in 4-track stereo.
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CIRCLE 71 ON READER-SERVICE CARD

Leonard Burkat

Roger Hall

A Change of Chairs

At Columbia and RCA Victor there are new skippers in charge of classical repertoire.

Within recent months, the two largest record companies in America have taken under their respective roofs new managers of classical artists and repertoire. This fact in itself may appear no more than mildly coincidental, but on closer look the situation reveals an equation of almost algebriac neatness: Columbia has summoned to its service the former Music Administrator of the Boston Symphony Orchestra (an RCA Victor client), while RCA Victor has called in the former Manager of the Philadelphia Orchestra (a Columbia client). It's enough to make one begin pondering upon Destiny.

The two gentlemen in question are Leonard Burkat, whose new post brings him south from Boston to New York, and Roger Hall, whose duties bring him north from Philadelphia. Since record buyers will become the beneficiaries of the talents of Messrs. Burkat and Hall (it is, of course, the fundamental job of an a & r director to decide who records what), the time seems ripe for introductions all around.

Columbia's Leonard Burkat is a stocky man (the complaints that his photographs make him look like a boxer) who has been a Bostonian all his life. He went to Harvard (where he studied orchestration with Walter Piston) and afterwards joined the music staff of the Boston Public Library. He was there during the period that Mr. Burkat traded his saxophone for a cello, upon which he took three lessons. He has since passed the instrument on to one of his daughters. When Tanglewood opened for its first postwar summer in 1946, he organized the school library—and thus began an association with the Boston Symphony which was to last for seventeen years. On completing the Tanglewood assignment he was invited to take the next logical step—that of becoming librarian for the Symphony itself. Eventually he was appointed Music Administrator, "a musical arm of the management," as he explains it, and in this position he collaborated with Charles Munch and Arthur Fiedler in planning repertoire for concerts and recordings by the BSO and the Boston Pops. "Altogether," he told me, "I had a share in planning about 250 musical events a year. In a sense, my work at Columbia is quite similar—a record is, after all, a musical event. Only here there will be fewer of them—about eighty or ninety a year."

As the guardian, so to speak, of three major orchestras—the New York Philharmonic, the Philadelphia, and Epic's Cleveland—Mr. Burkat seemed a logical person to ask about the problem of repertoire duplication. "It doesn't bother me at all," he said. "There is no rivalry among these orchestras—they are all fine ensembles with large followings. If record audiences want a Beethoven Fifth from each of them, there is no reason why they shouldn't have it. And though there may be thirty Fifths in the catalogue, there aren't thirty good ones."

Of things to come, Mr. Burkat gave some enticing glimpses: a Boris Godunov with George London recorded in the Bolshoi Theatre, a Berlioz Requiem by the Philadelphia, a remake of the Bartók Quartets by the Juilliard, and a continuation of the Stravinsky-by-Stravinsky series, with Orpheus, Agon, and Jeu de cartes soon to come. "Another project dear to my heart," he went on, "is to arrange my Stewell catalog to conduct Tchai-kovsky's Second Symphony. Stravinsky is strongly attracted to the music of his..."

Continued on page 30

HIGH FIDELITY MAGAZINE
...by combining this unit, Citation A, with a solid state basic amplifier of comparable quality, a sound path could be set up that approaches the classic goal of amplifier design—a straight wire with gain.”

—HIGH FIDELITY MAGAZINE

THE NEW CITATION B

PROFESSIONAL 80 WATT SOLID STATE STEREO BASIC AMPLIFIER

Handsome front panel: facilitates custom installation. Features include current-adjustment meter, on/off switch with pilot light and low-cut filter. Removable bottom panel conceals idling adjustment controls.

Computer-grade silicon output transistors; heavy-duty, solid state devices, virtually impervious to abuse. Will take 100% more power than their use in Citation B will ever demand.

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Top view of chassis: computer construction throughout. Five sub-assemblies assure easy accessibility and minimum operating temperature through efficient heat dissipation; laced military wiring harness couples each stage.

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The Citation B reflects Harman-Kardon's solid state leadership in every way—performance, design and construction. "A straight wire with gain" when matched with Citation A, the big "B" will also enhance the performance of any other high quality stereo preamplifier. For more information—write Citation Division, Harman-Kardon, Inc., Plainview, N.Y., Dept. HF-1.

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A CHANGE OF CHAIRS

Continued from page 28

youth, and he heard Tchaikovsky conduct the Second when he was a boy. I first heard Stravinsky conduct it in the late Thirties," Topping off the season's game of musical chairs is a Columbia recording—just out—of Charles Munch conducting the Philadelphia Orchestra. Mr. Burkai swears, "I had nothing to do with it."

A MILE OR so downtown from Columbia's offices stands a yellow brick headquarters of RCA Victor, and here we found Roger Hall, tall, bespectacled, and genial. The Red Seal a & r manager acknowledged a strong bent for the piano (which he had studied at the Manhattan School of Music) and noted that as a student he had been "interested in too many things" to devote himself to the instrument as a career. He majored in journalism at the University of North Carolina (Class of '46) and soon afterwards went to work for Columbia Artists Management in New York. Two years later he embarked upon a career of orchestra management which was to lead (by way of the Fort Wayne Philharmonic and the Erie Philharmonic) to the position of assistant manager of the Chicago Symphony in 1953—the year the late Fritz Reiner became music director. In 1956 he began a stint in the record business, heading sales for Angel and Capitol, and then returned to orchestral affairs as Manager of the Philadelphia.

Sitting in his still unfinished office, Roger Hall gave every appearance of being pleased to be where he was. "I'm old enough to have grown up with Victor records, and to me there is something intangible but very real about the RCA Victor legend. And I'm in love with the idea of the company's involvement with opera recordings." Mr. Hall sees his major task as that of planning "exciting repertoire and exciting collaborations," and though he was reluctant to make predictions so early in his tenure, it was not difficult to guess that plans to fulfill his expectations were already afoot.

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CIRCLE 15 ON READER-SERVICE CARD

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January 1964

CIRCLE 36 ON READER-SERVICE CARD
There is no such thing as a typical Marantz owner—unless one can say they are firmly devoted. Some may have determined at the outset that they would have only Marantz. For still others it may have been a matter of budgeting, with planned growth to a full Marantz system.

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Discs, but Not Stilled. The conclave of engineers and audiophiles that follows each year in the wake of the New York High Fidelity Music Show offers little in the way of visible or sonic display, but provides plenty of audiophilic sustenance nonetheless. At a five-day series of meetings arranged by the Audio Engineering Society, the technica under-lying the products viewed a month earlier—to say nothing of new products and techniques not yet made public—was distilled and debated by the experts in sound recording and reproduction.

The air of sobriety characteristic of these sessions was enlivened at least twice during our visits. Dr. Harry F. Olson, of RCA Laboratories, was challenged by Dr. Benjamin B. Bauer, of CBS Laboratories, on—as you might guess—the Dynagroove record. After Dr. Olson had delivered a paper explaining the Dynagroove process, Dr. Bauer pointed out that the explanation had omitted mention of studio monitors. He wanted to know whether RCA had done away with human monitors in favor of pure instrumentation. If so, concluded Dr. Bauer, "you simply can't make records that way." When the laughter had subsided, Dr. Olson admitted that, of course, flesh-and-blood monitors were still employed and that he had assumed this would be understood as a matter of course. We then asked Dr. Olson, referring to a statement he had made earlier, whether the Dynagroove process was designed to make records sound good on an "average" level of playback equipment rather than on the best available playback equipment. Dr. Olson explained that they had "proved" Dynagroove discs on all manner of equipment and had found that the recordings sounded fine on low-cost playback systems as well as on high-quality systems.

Upon further questioning, Dr. Olson conceded that the "dynamic spectrum equalizer" (which automatically varies the depth of the cutting stylus in the interests of lessening playback distortion) is Dynagroove's only significant departure from the conventional recording process; that, in general, the term "Dynagroove" summed up a cumulative series of improvements made over the years in the recording, cutting, and processing of discs. This was the convention's most controversial session, and discussion of the issues between little knots of partisans continued long after the meeting. One engineer struck a mollifying note by pointing out that "things can't be too bad between the two major record companies, since Jack Woodward of RCA did use a CBS test record to illustrate his talk on tracing distortion."

More sparks flew at a symposium and panel discussion on "Stereo and High Fidelity." Anton J. Schmitt, of Harvey Radio, a New York dealer, flatly told the assemblage that he knows of some amateur audiophiles who build better equipment than some professionals—and was applauded for his bars. Benjamin Bauer introduced a new test record designed to help a stereo listener adjust his system for variations not only in listening tastes and room acoustics but in normal manufacturing tolerances, thereby injecting a subjective note of "personal high fidelity" into an otherwise slide-rule and formula-minded orientation. A brief history of sound reproduction—from Berliner's first disc to today's stereo record—was given by Irving Joel, of Capitol Records. While not controversial, this talk, supplemented with examples of recordings made down through the decades, did point up that claims of life-like performance were made and widely accepted at any given moment in the history of the art—despite the fact that noticeable improvements invariably followed shortly after.

Arnold L. Seligson, of Consumers Union, discussed the need for improved standards and for measurement methods to relate numbers to the subjective listening experience. He also hinted that audio engineers can learn a few techniques from the data-processing field to further the perfection of solid-state equipment and the continued reduction of distortion. Werner Freitag, of the Communications Arts Center at New York University, suggested that there is a need to define high fidelity, but that trade groups—such as the Electronic Industries Association and even the Institute of High Fidelity—"have vested interests" and therefore cannot be relied on to arrive at a completely satisfactory definition. He suggested that the Audio Engineering Society itself define, and set standards for, high fidelity sound.

C. G. McProud, publisher of Audio, set off some buzzing in the audience when he allowed that "the new is not necessarily better just because it is new. We can only judge innovation—in a product or a technique—on the basis of what now is accepted as good." James A. Stark, of General Electric, offered a new concept of "packaged audio." Cabinetry, pointed out Mr. Stark, "can move more equipment into rooms other than the 'listening room' or that room in the house ordinarily taken to be the valid setting for music playback." To illustrate his point, he mentioned the ordinary radio receiver and television set, both of which have stepped beyond their original "front panel" environment into other parts of the home. Perhaps the most challenging state-

ments were made by venerable Percy Wilson, the British engineer-editor of whom we wrote here last month. Mr. Wilson contended that the trouble with many engineers was that "they were afraid that music would get in the way of their hi-fis." American technicians, he continued, were not sufficiently alert to certain developments in audio because they either didn't read, or didn't care, about what was being done in Britain and in Europe. Specific issues he had in mind included the vertical-tracking-angle question and a definitive solution to the problem of dirt on records, both of which, he claimed, have been under more intensive study in Britain than in the U.S.A.

The assemblage either was mild-tempered or highly susceptible to these remarks for, although questions were asked, no one really disagreed with any of the speakers. On the way out, we overheard this exchange between two engineers:

"We've been told off, I guess."

"But we haven't been told how."

"That's up to us, isn't it?"

Real Cool Stereo. It has long been known that the heat generated by tubes and transformers is a potential cause of malfunctioning or breakdown of audio gear. A husky amplifier, for instance, can run hot enough to fry eggs—and cook a few resistors at the same time. And the torrid zone set up by an amplifier can upset delicate components in a nearby FM tuner. Although most of the heat in a music system is produced by power amplifiers, or the output stages of combination amplifiers, some also can be produced by preamplifiers or indeed by any electronic chassis. Careful design and construction of equipment help to reduce heat, but adequate ventilation during use remains a prime requirement. Even solid-state equipment, which itself produces little or no heat, can be af-fected by poor ventilation and ideally should be given some "breathing space."

A step toward providing relief has been taken by Rotron, a new name in audio but an old hand at supplying fans to industry. Rotron's aid for torrid stereo sys-

tems is a compact fan, encased in a black plastic frame that measures 4 11/16 inches square and 1 1/2 inches deep, is priced at $14.95, and is supplied with mounting accessories and very clear instruction for it's installation in different ways. The Rotron fan is rated to move 60 cubic feet of air per minute—and while we did not measure it, we were impressed with its ability to cool quietly and efficiently, a part of our own cabinet that had come to be known as the "hot box."

Kudos to Rotron.

BY NORMAN EISENBERG

January 1964
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JANUARY 1964
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CIRCLE 18 ON READER-SERVICE CARD
Reissues: Introducing a New Department

We live in an age of waste: an age which nourishes itself from the throw-away container and demolishes celebrated architecture for the sake of "progress," an age in which we are exhorted not to repair but to replace, not to conserve but to consume. The effects of this profligate Zeitgeist are everywhere—and not least in the field of recordings. Schwann's black diamonds, those monthly marks of doom for discontinued discs, have become the symbol of an industry obsessed with obsolescence.

Too often that obsolescence has been purely fictitious. It is perhaps a cliché of record criticism to bewail the disappearance of an exemplary recorded performance and to fault its replacement by newer versions inferior in every respect save, possibly, that of engineering technique. But the cliché is founded on just cause, and we are not at all apologetic for having uttered it often in these pages.

Of late, however, the regrets and remonstrances have had to be repeated less often. Yesterday's recordings are no longer being discarded with the reckless abandon of yore. And many of those that were foolishly and prematurely supplanted are now being restored to circulation as reissues—usually in remastered and repackaged form, and sometimes at considerably reduced price.

The past several months have seen a near-deluge of reissues. RCA Victor has launched its welcome Victrola series, restoring to life a number of memorable productions from the recent past in particularly attractive new jackets. The burgeoning Victrola list already includes such prized fare as the Szeryng/Montevue Brahms Violin Concerto and the Gilels/Reiner Tchaikovsky Piano Concerto. From Capitol we have the new Paperback Classics line, which purveys the work of Erich Leinsdorf, William Steinberg, Leopold Stokowski, and other celebrated musicians who have figured at one time or another on this company’s roster. London Records has brought many of its finest productions of the 1950s back to attention on the low-priced Richmond label, among them some lavishly lauded opera recordings—the D'Oyly Carte’s Gilbert and Sullivan, the Krauss-directed Fledermaus, the early Tebaldi sets of Verdi and Puccini. Angel is pressing ahead with its rehabilitation of the “Great Recordings of the Century” (this season has seen the long overdue return of Schnabel’s Beethoven to the catalogue), and Westminster has embarked on its ambitious Collectors series, a major restitution of deleted discs by the Messrs. Scherchen, Janigro, Badura-Skoda, Cuenod, et al. Other noteworthy resuscitations have appeared on the Columbia, Lyrichord, Vanguard, and Vox labels.

Undoubtedly the single largest salvo of reissues has been fired by Capitol Records International, which is now distributing on this side of the Atlantic literally hundreds of Odeon and Pathé discs imported from the factories of EMI affiliates in France, Germany, Great Britain, and Italy. While many of these recordings are new to this country, a large percentage of them have appeared here before, either as 78s or LPs, on the RCA Victor, Columbia, or Angel labels. The prewar Glyndebourne sets of Don Giovanni and Così fan tutte are now happily back in circulation thanks to these Odeon/Pathé imports. So are the Toscanini-BBC recordings of Beethoven . . . the Chopin series of Alfred Cortot . . . the Menuhin-Furtwängler versions (they made two) of the Beethoven Violin Concerto . . . and much, much more.

To give proper attention to these very welcome restorations, HIGH FIDELITY introduces this month in its review section a new department entitled “Reissues.” Though—even with our full roster of reviewers contributing to these pages—it will not be possible to report on every item in the present inundation, we do intend to take note of all important revivals. The new department will continue as long as record companies continue to reissue notable material. Hopefully, both the phenomenon and our coverage of it should go on indefinitely. There is a lot of wonderful stuff to be mined.
Bruno Walter’s last years in the recording studios, as a close working associate remembers them.

"An Education and a Joy"

By John T. McClure

My first meeting with Bruno Walter took place in the summer of 1957 amid the eerie moonscapes of Palm Springs where he had gone to recuperate from a heart attack. My mission was to find out how he was progressing and to discover under what circumstances he would be willing to resume recording, now that stereo was proving to be more than mere pitchman’s hyperbole. The unlikely address he had given me over the phone, a motel owned by Horace Heidt (and his Musical Knights), added to a feeling of unreality that came from searching through this rich artificial oasis in the California desert for one of the last surviving representatives of high German culture. How had the land of Louella Parsons, Forest Lawn, and Mamie Van Doren attracted Dr. Walter? And not only Walter, but Thomas Mann, Igor Stravinsky, Aldous Huxley, and Arnold Schoenberg as well?

I found Dr. Walter seated near a tropical baroque rock garden, taking the sun in the manner of an older European generation: with topcoat, scarf, and cloth cap against the muscular desert heat. His greeting was subdued and rather shy, perhaps that of an alien to a native. The small stature he shared with many conductors was a surprise; his courtly and gentle manner was not. He asked about my drive from Los Angeles in a way that betokened real interest and invited me to a lunch and a talk. As we walked, I observed the tanned, unwrinkled planes of his face, his wide-ranging alertness, and the steady, deeply resonant voice which betrayed only sixty of its owner’s eighty-one years. His dress was conservative, even drab, but his regular careful steps were made in cloth shoes with thick crepe soles—the only sartorial compromise with the West.

Over a salady lunch he recounted the qualities of California that had most captured his affection. The penetrating desert heat, at first like a physical blow, had so speeded his recovery that his doctor was permitting him to resume work during the coming winter. He was presently making plans to reschedule several concerts canceled during his illness. I asked him if he were disposed to begin a large recording project using a new process called stereo. I explained that it was an advance in the recording art, but also an eventual threat to already existing records. He was unimpressed. Threats were for the young, he smiled. But certainly he would welcome another chance to redeem the interpretative sins of his past.

There were, however, some serious conditions attached. First: save for the rescheduled concerts, he considered himself retired from public life, and therefore all recordings would have to be made without benefit of performance. Second: his age and the misbehavior of his heart had earned him, he felt, the right to live the rest of his days in the California climate that he loved; we would have to come to him. Third: so that he could work for longer periods, he would record only every other day. Fourth: since there was the possibility (smile) that these might be his last musical statements, he would like a perfectly free hand with both orchestra and repertoire. All conditions I agreed to as uttered, cautioning him only that everything depended on finding a suitable recording hall in the Los Angeles area. If the search were successful, we could begin that winter. He thanked me for coming, made me a list of places to see before starting back, and wished me luck.

During the week following, I examined notebook in hand, twenty-five buildings which our West Coast staff had selected as possible locales for our project. There were concert and convention halls, Masonic Temples, gymnasiums, vacant theatres, hotel ballrooms—and, for one reason or another, each had to be reluctantly disqualified. A good recording
hall is an Act of God, designed, as a rule, for anything but music: a finicky blend of accessibility, remoteness from traffic noise, clarity within reverberation, availability, and, if possible, atmosphere. Like a bad Hollywood script, the last hall on the list, a large concrete structure built in the 1920s as a meeting place for the American Legion, turned out to be ideal on every point. It "spoke" immediately with the music, surrounding each sound instantaneously with a natural aural bloom. The reverberation-decay was smooth and bright with no audible slap-back, and the sound of the diesel trucks laboring up the Cahuenga Pass to the San Fernando Valley never penetrated to its rather monastic interior.

Engineers were notified, a control room was built, and the job of distilling an orchestra out of the ample pool of fine musicians in the area began. For this job we picked Philip Kahgan, retired first violist of the Los Angeles Philharmonic, who knew Walter and had performed many times under him. Kahgan’s work was so well done that the Maestro replaced only a few men during the next four years. Our goal was not to imitate any existing orchestra, but to select the best orchestral instrumentalists from the Philharmonic and the film studios, relying on Dr. Walter to create the necessary personality for the group. Subsequently, he was grateful for this "neutrality" since he could fashion with equal ease an appropriate style for Mozart or for Mahler. "It’s better this way," he said. "They have not so many bad habits to overcome."

That busy summer and fall set a pattern for succeeding years. By letter and several more meetings we established the repertoire (in this case Beethoven Symphonies) for the winter following. Walter’s extensive preparation involved hearing and criticizing his previous recordings, marking the scores page by page with his dynamics and bowings, correcting from his mind’s ear the contours and balances of how many performances. These markings were then transferred into the orchestral parts by a copyist, saving us untold time and trouble at the sessions.

Back in New York I underwent a similar though less intense process of familiarization, dividing each symphony into fragments of fifteen or twenty minutes, the most we planned to attempt in one day.

We all came nervously to the first session in January—Kahgan fussing over the orchestra; the musicians wondering how they would sound to the Maestro after Vienna, London, and New York; myself with fingers crossed for the hall; and Dr. Walter probably uncertain about the repairs so recently nurtured in the sun at Palm Springs. We talked beforehand in the control room, and I introduced him to the engineers. He looked smaller and older now in his old black rehearsal jacket, and I felt misgivings; but as we entered the hall to a standing ovation, his step became sure, the years dropped away like husks, and he almost sprang onto the podium. "So, gentlemen, thank you. It seems we will be seeing a lot of each other this winter and I hope we become a good working family. Today we begin with . . . ." All under control. Three hours later we were veterans with all our fears unrealized. Dr. Walter was enthusiastic about the hall and the orchestra. A few seating changes and we were on the way.

To one accustomed to the pressure of recording established orchestras in already rehearsed repertoire, where the session moves with urgent speed, the calm and measured cadence of these Hollywood recordings was a dream come true. Here each work was rehearsed at the session itself until the Maestro felt it was quite ready to be taped. During these rehearsals we had ample time to set and adjust our microphones for the ultimate balance. Then a take was made and played back. Some further adjustment and rehearsal, perhaps, then we would record again, and again listen. Lots of time. Time even for the Maestro to enjoy an apple and a cup of coffee. We would remake a piece until we were both quite satisfied, and we often achieved our goal of a complete take with no splicing needed. In keeping with this goal, we were able ninety per cent of the time to leave our microphone levels untouched during the take in order that Dr. Walter’s skill in molding dynamic outlines need not battle with less skillful, if well-intentioned, influences. Our sessions, averaging three hours each with several breaks to hear playbacks, allowed him to complete even the most turbulent movements of Mahler without suffering excessive fatigue.

During a session in 1959 (his eighty-second year) I met him at the control room door after two consecutive, stormy takes of the Flying Dutchman Overture. He was sweating and breathing heavily from the exertion, and I said with unfeigned concern that a rest was long overdue. He agreed: “Yes, the men are a little tired. No wonder.” There was no trace of irony in his statement, nor did he seem aware that what he had just done would have prostrated many men of fifty.

Bruno Walter’s rehearsals were an education and a joy. In the four years of our association I seldom heard his voice raised in impatience, and never in anger. The men came to the sessions as if to a master class. After tapping their music stands in tribute at the conductor’s entrance, their tangibly receptive silence would be broken only by his exhortations or by music. Tension was minimal; concentration was absolute. Walter was an eminently articulate man, and his guidance—now spoken, now sung in that firm sixty-year-old voice—was colorful, warm, hortatory, and unfailingly pertinent. “Come, my friends,” he would say, “once more: trumpets a little less, violins more singing, you know? It’s much better but I do it again.”

Although his patience was rarely tried by this responsive orchestra, he knew, from sixty-three years of conducting experience, just how each measure should sound, and there was no getting around him. I remember recording on four separate oc-
occasions the first forty bars of the Academic Festival Overture because the accents weren’t just the way he wanted them. Humor was always present at the sessions too, though never in the Beecham-esque form of stories or jokes. During almost every recording something would happen to touch his funny bone, and a quiet remark would send the orchestra into ripples of laughter—leaving the control-room contingent feeling much deprived.

Week after week the members of our orchestra gave up more lucrative engagements to play with us for straight union scale. Even the more calloused and blasé among them were touched with awe, crowding into our control room to hear the playbacks and to observe the Maestro’s every reaction. The problem of finding enough space for the eager auditors was just as acute the last year as the first. They realized that once this spring ceased its flow, a whole world of tradition would vanish with it.

As with many great musicians, Bruno Walter’s nervous system was virtually helpless against musical magnetic fields. It was impossible for him to listen to a playback with quiet hands and feet. Heavily charged music would bring great slashing breaths and gestures from him at crucial downbeats. More than once I prudently relieved him of his glass of orange juice when I heard a climax approaching. “Isn’t that enormous? Isn’t that really something?” he would say after it had passed.

In the years we worked together we became as close as the fifty-four-year gap in our ages permitted. I would pick him up in my car each working morning, and no matter how early I came he would be out before me pacing slowly on his lawn. He was proud of having never been late to a concert in more than sixty years and insisted on being at the hall a full half hour before the session began. Our talk en route would circle around the day’s objective: what to start with; where to break; how to bring out a problem passage; special instructions for the horns, etc. The trip home, however, was a reliving of the music just completed. Mozart allegrettos would provoke animation and sung snatches of themes from everywhere. Beethoven or Wagner might bring us careening dangerously near to metaphysics, while a great Bruckner adagio produced total silence punctuated by an occasional apostrophic sigh from the Maestro.

The Tudor-style house he shared with his daughter Lotte and her husband on a quiet palm-lined street in Beverly Hills was attractively furnished in no definite style. The living room was dominated by a grand piano and the Rodin bronze bust of Mahler which Lotte had somehow smuggled out of Vienna under her coat in the tense flight from the Nazis.

Meals had the European minimum of formality and conversation was easy and animated, especially when Lotte and I argued about politics—to the great amusement of her father. At times the Maestro would reminisce about the past; his German premiere of the Shostakovich First Symphony, or the painful flight from Hitler, or meetings with Mahler and his family, or conducting Stravinsky with the composer as soloist. But Walter was not overly fascinated by the past. He lived in the present and was working hard. Lotte would chide me because her father would be up studying scores when she went to bed at night or when she got up in the morning.

Walter’s speech was animated and “sung,” with the vocal notes rising and falling. Even his mispronunciations (disease he pronounced diss-ease, in line with its archaic meaning) were based on an extensive knowledge of English word roots. He liked to use American slang and seldom had to resort to German for linguistic precision. In our endless discussions of music and musicians he did not make derogatory remarks about colleagues; only about a certain few he was silent. Toscanini, in the world’s eye his greatest rival, was a household deity, and I once created a brief frost by making a negative remark about him. In the music world of ego rampant, this is indeed “something.”

Like his mentor Gustav Mahler, Walter enjoyed and sought contact with nature. His appreciation of California (the topography if not the Geist) was based on real knowledge from frequent explorations up and down the coast. He gave us countless sight-seeing suggestions based on his discoveries, and his enthusiasms covered a broad spectrum. Point Lobos and Big Sur were his special loves. With his old friend soprano Delia Reinhardt, he would stroll each afternoon along the Pacific palisades in Santa Monica, watching the seagulls ride the local updrafts and enjoying the sunset over the ocean.

If Bruno Walter’s life had a rationale more formal than the discipline brought by music, it was his deep and deeply felt humanism. Goethe had a high place in his

Continued on page 105

The Maestro with author: at almost every session "something would happen to touch his funny bone."
A Discography

The Heritage of Bruno Walter

By Robert C. Marsh

From his earliest acoustical discs to the final multichannel recordings taped sixty years later, Bruno Walter's discography spans the greater part of twentieth-century phonographic history.

In chronology his recording activity may be divided into European and American periods, with the fatal year 1939 as the pivotal point. Two thirds of the time span falls before the outbreak of World War II, but the majority of records came later. The European series, which began during Walter's early years as an opera conductor in Berlin, continued in cosmopolitan fashion and presented him with the leading orchestras of Vienna and Paris as well as a group of London ensembles. His work in the United States was at first mainly with the New York Philharmonic. Later, both in New York and Los Angeles, he worked with hand-picked groups engaged especially for his needs and given the nom du disque of the Columbia Symphony.

Bruno Walter left us one of the great legacies from the golden age of orchestral conducting. In one way it is even more impressive than that of Toscanini, since Walter remained active into years in which his music could be captured with the full possibilities of well-developed stereophonic techniques. Walter made a lot of records. Something over 150 different works of music went on discs under his baton, many of them in multiple versions. Yet Walter's records tend to be tightly focused in his areas of musical sympathy and strength. In all those recordings he drew upon the works of only twenty-two composers, and even that figure is misleading since roughly a third of the group are represented by only one or two titles.

The Walter legacy is one of Beethoven and Brahms, Mahler, Schubert, and, most of all, Mozart, whose cause is supported by more than thirty works in Walter-led recordings. It must not be thought, however, that he slighted certain composers because their music lay outside his talents. Walter was a wonderfully sympathetic interpreter of Tchaikovsky, for instance, as I discovered at one of the rare American concerts when the Russian master was represented on a Walter program. There is documentation for this in an ancient acoustical version of the Pathétique Symphony made in Berlin, but there is no Tchaikovsky in the later Walter discography, just as there is far less Schumann than one would expect from the conductor's deep sympathies for that composer. (More Schumann would have been forthcoming, in fact, had Walter lived to complete his projected sessions for 1962.)

The present listing is selective and evaluative. No acoustical recordings are included, nor marginal items from the prewar period. Rather than offer completeness for completeness' sake, I have tried to concentrate on the Walter recordings as social and cultural documents, surveying them from the standpoint of present interest and future utility. All discs of the long-play era are cited under their current number or that carried when they last appeared in print. (Out-of-print records are identified by the customary OP designation after the number.)

The American Columbia company, for whom Walter made virtually all his recordings in the final twenty-one years of his life, has seen the wisdom of keeping certain of his earlier performances available even when there are later versions. For historic purposes a Bruno Walter Society edition may be in order some day to revive various notable performances presently deleted from the catalogue. Unless otherwise indicated, all numbers can be taken to refer to recordings released on the American Columbia label.

The majority of Walter's earlier discs were made for His Master's Voice or European Columbia. A few of them have appeared here or abroad in the Angel "Great Recordings of the Century" series, but much valuable material awaits restoration and reissue in this fashion. Anything of this quality is included here.

Walter retained a certain nostalgic affection for some of his earlier recordings, which we discussed on various occasions, but largely he felt that his stereo productions were the true likeness of his musicianship and the primary documentation of his reputation for future generations, should they be interested. (Walter was never so ill-mannered as to suggest that he felt he was conducting for the ages.)

As the comment that follows will make clear, I do not always agree that Walter's final recording of a work was his most successful, but on the other hand I wish in this critique to reflect his opinions to the extent that I can presume to know them.

My selection of material for discussion was made from a complete listing of the Walter records compiled by Mr. Leo Goldstein of Chicago, and it is from his splendid private archive of historic recordings that I renewed my familiarity with most of the older items here discussed.

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Symphony No. 1, Op. 9

Americans do not normally think of Walter as a champion of contemporary music, although during the years in Europe there is considerable evidence of his interests in this direction. In addition to his role as Mahler's leading advocate, Walter was the first conductor outside the Soviet Union to play the Symphony No. 1 of Shostakovich, for example. It was quite in keeping with his past, therefore, that he should turn to Spacon and compose a twentieth-century symphony to an American composer whom he admired. By showing us this facet of Walter, the album is unique in the conductor's discography, but its main attraction is a very strong and perceptive realization of one of the most important American works in symphonic form. The recorded sound is excellent for its vintage, and it takes only a re-reading of the records to make a positive case for their revival on micro-groove.

BEETHOVEN

Concerto for Piano and Orchestra, No. 5, in E flat, Op. 73 ("Emperor")
1) Walter Gieseking, piano; Vienna Philharmonic Orchestra (1934). M 243 (78 rpm, OP).

These two sets could be taken as paradigms for two familiar readings of this score: the first, spacious, relaxed, lyrical and introspective, the other intense, almost Lisztian in its exhilaration, and always firmly propulsive in quality. In the former version the expressive force of the phrase, the refinement of nuance and color, dominate the pianist's attention, while the latter proceeds by sheer force of virtuosity, the sheer impact of the communicative style. Gieseking and Serkin are caught in their artistic essence, and in both instances Walter surrounds them with an ideal orchestral framework. Gieseking offers the better account of the slow movement and the murderously rapid passage of the bridge into the finale. The Serkin has the more vital recorded sound. Both editions are unquestionably landmarks in the history of the phonograph.

Concerto for Violin and Orchestra, in D, Op. 61
1) Joseph Szeti, violin; British Symphony Orchestra (1932). M 177 (78 rpm, OP).
3) Zino Francescatti, violin; Columbia Symphony (1961). ML 5663 or MS 6263 (stereo).

My favorite is the first, but all three of these performances achieve greatness, and all are so complete a success that it is the natural choice for the majority of Walter's public. The 1932 version has a sense of classic detachment, a serenity beyond all earthly cares, that is not duplicated in Szeti's later version. (I actually find more of this feeling in the Francescatti, though his performance is one of the more unique qualities as a re-creative artist.) Walter again provides a sense of ideal collaboration between peers. Engineering improves with each successive attempt, but even the first is quite good enough to please those whose primary interest is Beethoven.


Walter is the dominant force here, with soloists drawn from the first chairs of the orchestra and the assistant conductor at the piano. This is the most difficult of all the Beethoven concertos, but in an interpretative capacity, because its strength lies in the ability to establish and develop a firm lyric line. Walter keeps everything thoroughly under control, and the blending of the solo voices in the slow movement is especially lovely. This is an important record, for it establishes a performance standard in a work where many musicians fail to find success.

Coriolan Overture, Op. 62
Columbia Symphony (1961). ML 5887 or MS 6487 (stereo).

Walter recorded this work previously in Berlin and London, but his final version is one of the greatest ever given us. We need look no further to learn what we saw in this music, for the vision is complete.

Egmont Overture, Op. 84

The drive and sweep of this performance make it one of the finest recorded achievements of the score and a landmark in Walter's Beehoven recordings.

Fidelio Overture, Op. 72
BBC Symphony (1934). RCA Victor 11809 (78 rpm, OP).

Faded sonics make this disc of limited interest, but it is a performance too fine to forget.

Prometheus Overture, Op. 43

Another lovely performance retained in rather ancient, but still pleasing, sound.

Leonore Overture No. 2, Op. 72a
Columbia Symphony (1961). ML 5887 or MS 6487 (stereo).

For comment on this recording, see "Record Reviews," page 70.

Leonore Overture No. 3, Op. 72a

The Vienna performance was a good one, but the Philharmonic is even finer and vastly superior in sound. Of the recordings which grow from German performance traditions, this is one of the very best we have ever had.

Symphony No. 1, in C, Op. 21
2) Columbia Symphony (1958). ML 5398 or MS 6078 (stereo).

The 1947 performance is quite tightly structured, rhythmically strong, well paced, and, for its day, well recorded. I prefer it to the second, where the flexibility of pulse found in the Philharmonic version has been greatly expanded and the entire spirit of the work transformed by a romantic bloom. The touch of the piano is lovingly as well, and I am more in sympathy with Walter's earlier concept. The differences in recorded sound are not so great as to overthrow the aesthetic balance in this case.

Symphony No. 2, in D, Op. 36
2) Columbia Symphony (1958). ML 5398 or MS 6078 (stereo).

I have the impression that the Philharmonic was rushed to meet the Procrustean demands of a single long-play surface. In any case, the later version is more expansive and, as considerably better recorded, and the slow movement—the high point of this score for me—is far more splendidly realized.

Symphony No. 3, in E flat, Op. 55 ("Eroica")
3) Columbia Symphony (1958). ML 5520 or MS 6036 (stereo).

The Eroica was the best known of Walter's early efforts at recording in the United States. (Remember the red album cover with the Napoleon hat?) That initial performance was slightly slower than the two which followed, but all three were formed along the same interpretative lines. The stereo version is the obvious choice for the documentation of Walter's very extraordinary achievements with this music.

Symphony No. 4, in B flat, Op. 60
2) Columbia Symphony (1958). ML 5365 or MS 6035 (stereo).

The later edition offers much the more effective performance and ranks among Walter's finest recordings. The older version, in contrast, is rather muddy in sound and without the firm control of line distinguishing its successor.

Symphony No. 5, in C minor, Op. 67
3) Columbia Symphony (1958). ML 5365 or MS 6035 (stereo).

All three versions are substantially the same in approach. The first is a product of the war years, when this was the V-for-Victory symphony. The recording was moving throught as well as it could. My own preference is for the second version, which has a solidity of registration which is lost in the long reverberation time of the stereo set. The third edition has the outstanding recording of the third movement, which is the portion of the score I admire the most. Walter, in his later years, was strong on powerful finish, his disregard for double bars.

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was less defensible in this symphony than elsewhere.

Symphony No. 6, in F, Op. 68 ("Pastoral")
1) Vienna Philharmonic Orchestra (1936). Odeon QRX 9016 (Italian EMI import).
3) Columbia Symphony (1958). ML 5284 or MS 6012 (stereo).

Here a miracle has happened twice. The Vienna edition was one of the greatest things in the prewar Beethoven catalogue, a performance with the atmosphere of the Van Cliburn and the sense of unbroken song which the composer must have intended. When the Philadelphia set arrived it was welcome, but it never quite claimed the heart the way the earlier one did. Vienna was rediscovered in California. Walter was relaxed and happy, lifting the music into lyric radiance, and the fine stereo recording captured it all with remarkable beauty and presence.

Symphony No. 7, in A, Op. 92
2) Columbia Symphony (1958). ML 5404 or MS 6082 (stereo).

This is the most overplayed symphony in the repertory, but the second Walter recording belongs in the select group of performances in which temptations to extravagance have been resisted for the sake of greater musical principles. The fault of the older version was excessive reserve—metrical regularity carried to the point where the music became stiff in its movement and expression had to be imposed by heavy rhetorical devices. There is a light, bright quality in the new set, flexibility in the pulse, and—especially in the finale—a sense of motion that sweeps the listener along.

Symphony No. 8, in F, Op. 93

The original Walter edition was not well recorded, and the second easily takes the dominant role. This is another case where the stereo recording does not seem to lessen the force of an otherwise distinguished performance, but even so the recording has a lilt and lively Viennese quality rarely found.

Symphony No. 9, in D minor, Op. 125 ("Choral")
1) Irma Gonzalez, soprano; Elena Nikolskaia, mezzo; Raoul Jobin, tenor; Mack Harrell, baritone; Westminster Choir; New York Philharmonic (1949). SL 101 (OP).
2) Frances Yeend, soprano; Martha Lipton, mezzo; David Lloyd, tenor; Mack Harrell, baritone; Westminster Choir; New York Philharmonic (1953). ML 2500.
3) Emilia Cundari, soprano; Nell Rankin, mezzo; Albert Da Costa, tenor; William Waltershausen, baritone; Westminster Choir; Columbia Symphony (1958). M2L 264 or M2S 608 (stereo).

It should be noted that this is really only two and a half recordings, since all that is new in the second version is the final movement. Taking the whole of the material, one can secure a very clear idea of Walter's achievement with this score. I would select for this purpose the 1949 version of the first movement, which is much more intensely controlled than the other version and so builds up dramatic effects not duplicated in the broader and more relaxed statements of the stereo son. The 1949 scherzo is quite fast, almost demonic in character, in contrast to the slower and more orthodox pacing of the new version. This is obviously a matter of taste, but if you play the earlier performance first, the latter comes as something of a letdown. There is no doubt, however, that the slow movement is best in the stereo version and that two-channel engineering is essential for the full effect of the last movement. The soloists are of about equal caliber in all the sets (good, but not good enough). Pressed for a choice, I would take the 1953 version of the finale on musical grounds, but the later one is of a very high standard.

BERLIOZ

Symphonie fantastique, Op. 14

Walter became a Berlioz enthusiast while a conservatory student in Berlin, and his townsmen heard this symphony from him when he gave his first concert there in the 1900-01 season. If we exclude his first recording (an acoustic version of the Carmen preludes), Berlioz is the only French composer to figure in the Walter catalogue, if we pass by acoustic versions of three short concert pieces, the symphony is the only real documentation of Walter's approach to his music. This is a good deal short of high fidelity, but it reveals that Walter's performance is one of great refinement. In his final year we talked of this set, and he confessed a great fondness for it. Most conductors of today, he felt, were overly tempted by the possibilities of the work as a showpiece, and their results became somewhat crude. Walter's moral example rates reissue in Angel's "Great Recordings" series.

BRAHMS

Academic Festival Overture, Op. 80
3) Columbia Symphony (1960). ML 5761 or MS 6361 (stereo).

Columbia has issued a number of these Brahms performances in alternate recordings and, in this case particularly, there are minor variations among editions. The performance to have is the last one, for only here does Walter relax and let the gemütlich quality of the music dominate. (The others, in contrast, are hurried, and in the first the conductor seems to be racing the time limitations imposed by two 78-rpm surfaces.)

Rhapsodie, Op. 53 ("Alto Rhapsody")
1) Mildred Miller, mezzo; Occidental College Choir, Howard Swan, dir.; Columbia Symphony (1961). ML 5888 or MS 6488 (stereo).

For comment on this recording, see "Records in Review," page 72.

In Munich, 1913: full court uniform for an officer of the Royal household.

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Concerto for Violin, Cello, and Orchestra, in A minor, Op. 102
2) Zino Francescatti, violin; Pierre Fournier, cello; Columbia Symphony (1959). ML 5493 or MS 6158 (stereo).

Quite apart from the advantages stereo provides in a work with two solo instrumentalists, I find the second performance immeasurably superior to the first. Both Francescatti and Fournier are of a mind that the work must be kept tightly focused with a firm propulsive thrust and no rhapsodizing. I am in sympathy with the aims of the stereo soloists, and they are achieved through playing of exceptional elegance. Walter, in both instances, is a vigorous ally.

Hungarian Dances: No. 1, in G minor; No. 3, in F; No. 10, in F; No. 17, in F sharp minor

Hearing these familiar works in performances of this distinction is a reminder of what we miss by not having all of them, plus the Slavonic Dances of Dvořák, in Walter recordings. (Of the Dvořák we have only a 78-rpm disc of the Op. 46, No. 1, long out of print.)

Schicksalslied, Op. 54 ("Song of Destiny")
2) Occidental College Choir, Howard Swan, dir.; Columbia Symphony (1961). ML 5888 or MS 6488 (stereo).

The advantages of stereo in recording a work for chorus and orchestra make the choice between these editions obvious in favor of the new set.

Symphony No. 1, in C minor, Op. 68
3) Columbia Symphony (1959). ML 5789 or MS 6389 (stereo).

The Vienna recordings are unable to re-
produce the effect of Brahms's *tutti* passages, and for present-day listening I am inclined to dismiss them. Unfortunately, neither of the later sets, as with CBS, can represent Walter's skill in this music. Both suffer from overdistant microphone placement in the scherzo. The advantages of stereo are most apparent in the slow movement, which is far more beautiful in the two-channel version than ever before, but stereo cannot wholly compensate for the superior drive and majesty of the two outer movements in the New York recording.

**Symphony No. 2, in D, Op. 73**
- 2) Columbia Symphony (1960). ML 5573 or MS 6173 (stereo).

Here there is slight basis for argument. The New York version is not especially well recorded, whereas (there is far too much reverberation), and the performance is overly tense. The second time around, Walter relaxed and sang with a ravishing Vienna quality that makes this edition one of the greatest on records. Happily, the especially good recorded sound caps the triumph.

**Symphony No. 3, in F, Op. 90**
- 3) Columbia Symphony (1960). ML 5574 or MS 6174 (stereo).

I once talked with Walter about his omission of the repeat in the first movement. He listened patiently to my argument about structure and form and the greater effect of the double exposition, making no protest as to its validity. "But," he explained with a helpless gesture, "I cannot bring myself to go back. When the movement has advanced so far, I feel compelled to go on rather than return to what I have just said." This probably explains his general aversion to the double bar, and though I respect his feelings, this is another case in which I think the performance would be stronger with the repeat included. The New York Philharmonic version has more vigor and drama than the other two, and this is attributable to that reason. On the other hand, the broader, more relaxed performance of the stereo set is probably more characteristic of Walter's approach to this music, and it contains some beautiful playing, well reproduced in the two-channel format.

**Symphony No. 4, in E minor, Op. 98**
- 1) BBC Symphony (1934). RCA Camden CAL 246 (OP).
- 3) Columbia Symphony (1959). ML 5439 or MS 6113 (stereo).

The BBC Symphony recording sounds as if it had been personally made by Thomas Edison. Only a dim echo of what was originally a very fine performance comes through, but there is enough of the final movement to be heard to make clear the degree to which Walter laden with the interpretation of these pages. I am more in accord with his earlier views. Perhaps Angel's "Great Recordings of the Century" technicians could manage a finer transfer of this material than Czerny's recored. The Philharmonic set is lyric drama throughout, while the final one stresses the autumnal cast of the music. Both performances are consistent in the development of their individual approach and effective on that account. If I had to pick one of the three, it would be the Philharmonic set.

**Tragic Overture, Op. 81**
- 2) Columbia Symphony (1960). ML 5573 or MS 6173 (stereo).

These are two quite different performances. The Philharmonic version is a heroic drama that marches resolutely to its denouement. The later edition is more introspective in mood and flexible in tempo, as a direct result of action, and to my mind a less forceful work than that demonstrated before.

**Variations on a Theme of Haydn, Op. 56a**
- 2) Columbia Symphony (1960). ML 5574 or MS 6174 (stereo).

Walter's first version is a good one, but hardly different from that of many another gifted conductor. The second is a far more distinctive performance, with delicate and unusual colorings, delightful and convincing turns of phrase, and the unmistakable signs of a distinguished musician at work and play.

**BRUCKNER**

**Symphony No. 4, in E flat ("Romantic")**
Columbia Symphony (1960). M2L 273 or M2S 622 (stereo).

Few performances of this music make sense of the descriptive title. Walter's does. As you get to know the score, you may prefer a more rugged account of it than this; but for those who, I think convined of Bruckner's stature, the Walter approach is probably the more persuasive. The recorded sound is spectacular.

**Symphony No. 7, in E**
Columbia Symphony (1961). M2L 290 or M2S 690 (stereo).

For comment on this recording, see "Records in Review," page 72.

**Symphony No. 9, in D minor**
Columbia Symphony (1959). ML 5571 or MS 6171 (stereo).

I do not think that Walter's success here is as great as that in the Fourth, but this is an important recording nonetheless, and contains a great deal of very beautiful and expressive playing.

**Te Deum**
Frances Yeend, soprano; Martha Lipton, mezzo; David Lloyd, tenor; Mack Harrell, baritone; New York Philharmonic (1953). ML 4980.

"Te deum laudamus, the same what the birds sing every morning ... ." was Walter's description of this music in his recorded interview with Arnold Michaels. This is the third of three Bruckner recordings, chiefly because it is the weakest of the scores, but also because of the obvious inadequacies of monophony in music of this complexity.

**CORELLI**

**Concerto grosso No. 8, in G minor Op. 6 ("Christmas")**

Music of the baroque is poorly represented in the Walter discography, the total absence of Bach being the most obvious omission. This Corelli set and a Handel concerto grosso (Op. 6, No. 12, made the following year in Paris) serve to remind us that Walter played music of this period with distinction and made use of a harpsichord continuo long before it became a matter of fashion to do so. A microgroove reissue of this lovely concerto from Angel would be welcome to many listeners.

**DVORAK**

**Symphony No. 4, in G, Op. 88**

No other conductor has ever given me the sense of complete fulfillment which I have found in Walter's reading of this score. The differences between the two performances are slight, and the lyric glory of the earlier version is all the more apparent in the second set, where stereo adds a further dimension. Most listeners will choose the new edition for that reason, and justly, but the New York performance is a little more tightly focused and thus gains effect in certain passages. Both editions are, however, distinguished additions to the Dvořák repertoire on discs.

**Symphony No. 5, in E minor, Op. 95**
("From the New World")
Columbia Symphony (1959). ML 5384 or MS 6066 (stereo).

This recording and Toscanini's are the two most salient ones in this greatly overplayed work. Walter's has a freshness that testifies to his intention of playing everything as if for the first time. There is a sense of Bohemian song and Bohemian humor here that are quite lacking in the Toscanini, and I surmise that the Walter performance is probably closer to what the composer had in mind. This is one of the Columbia Symphony sets in which it is wise to use an un-
orthodox equalization curve and bring up the lower frequencies.

HAYDN

**Symphony No. 86, in D**


**Symphony No. 88, in G**

Columbia Symphony (1961). ML 5886 or MS 6486 (stereo).

**Symphony No. 92, in G ("Oxford")**


**Symphony No. 96, in D ("Miracle")**


**Symphony No. 100, in G ("Military")**


2) Columbia Symphony (1961). ML 5886 or MS 6486 (stereo).

**Symphony No. 102, in B flat**


Discussion of Nos. 88 and 100 appears in the record review section elsewhere in this issue. Suffice it to say that the old Military betrays great age and hence is no rival for the new. Sensitivity and elegance are the primary features of Walter's Haydn, and these qualities are so conspicuously dominant throughout these performances that individual evaluations are not necessary. In Vienna, Walter's desires and the traditions of the orchestra could produce felicities in the old version of No. 96 that are not entirely duplicated in the New York performance, although it remains a good one. But it was in New York that Walter gave us one of his supreme achievements in the United States, No. 102, in a statement that is not mere show of ensemble finesse but gets to the heart of the humor and nobility marking one of Haydn's greatest scores. The two supreme triumphs of the European series are Nos. 86 and 92. Neither has ever been recorded with greater comprehensiveness.

MAHLER

**Kindertotenlieder**

Kathleen Ferrier, contralto; Vienna Philharmonic Orchestra (1949). ML 4980.

This, more than *Das Lied von der Erde*, appears to me the supreme collaboration between these two artists. It is, indeed, one of the greatest vocal records ever made, and a cornerstone of even a modest collection of music from the present century.

**Lieder und Gesänge aus der Jugendzeit:**

Ablösung im Sommer; Erinnerung; Frühlingsmorgen; Hans und Grete; Ich ging mit Lust durch einen grünen Wald; Nicht Wiedersehen; Scheiden und Melden; Starke Einbildungs Kraft des Mahler; Wenn Bruno Walter, pianino (1947). SL 171.

None of these ranks among the most important Mahler songs, but several of them are pleasant examples of his lighter, more romantic vein and of his taste for humor. They illuminate a side of the composer often overlooked, and the performances—such as the last glimpse of Walter at the keyboard—this time as the mentor of a young soprano whose goal is to realize his interpretative desires.

**Lieder eines fahrenden Gesellen**

Mildred Miller, mezzo; Columbia Symphony (1960). ML 5888 or MS 6488 (stereo).

The vocal demands of these songs are quite extraordinary, and Miss Miller meets them with a thoroughly sensitive and musical performance. Walter's accompaniment is the best statement of the instrumental portion of the work to be heard on records.

**Lied von Rücker:** Ich amer' einen linden Duft; Ich bin der Welt abhau- den gekommen; Um Mitternacht

Kathleen Ferrier, contralto; Vienna Philharmonic Orchestra (1952). London 4212.

**Ich bin der Welt abhauen gekommen**

Kerstin Thorborg, contralto; Vienna Philharmonic Orchestra (1936). 4201 (78 rpm, OP).

These are all historic recordings, ranking among the best ever given us by three great artists. The impact of Ferrier's singing in *Um Mitternacht* is especially intense, but it is only one of several triumphant arias from here, with the Thouvenin tenor reaching 78 rpm not to be slighted among them. It certainly deserves reissue along with the 1936 *Lied von der Erde*.

**Das Lied von der Erde**

1) Kerstin Thorborg, contralto; Charles Kullman, tenor; Vienna Philharmonic Orchestra (1936). M 300 (78 rpm, OP).

2) Kathleen Ferrier, contralto; Julius Patzak, tenor; Vienna Philharmonic Orchestra (1932). M 257 (OP).

3) Mildred Miller, mezzo; Ernst Häfliger, tenor; New York Philharmonic (1960). ML 5826 or MS 6426 (stereo).

All three performances are remarkable musically, while engineering techniques advance to the vivid stereo effects of the final record. The original recording—made at an actual performance—does no more than suggest the instrumental lines, but the singers are incomparable. Their contribution is more than acceptably reproduced, and it attains such a level as to make up for shortcomings elsewhere. A historic performance deserving of reissue. Ferrier is the principal asset of the second version, and hers is a noble performance. Still, I think that there is a tendency to allow extramusical considerations to make one sentimental about it, particularly to the disadvantage of Miss Miller, whose approach to the declamatory theme of Ferrier's—is also very moving. If I were to have only one edition of this music, I would choose the newer Columbia.

**Symphony No. 1, in D ("Titan")**


2) Columbia Symphony (1961). ML 5794 or MS 6394 (stereo).

We have Walter recordings of five Mahler symphonies, and all are precious documents of the composer and his close disciple. It must be appreciated that Walter recorded only those Mahler scores which he played in concert, the ones which he regarded as the most fully realized by his great friend, and his efforts. Thus he never performed the Tenth, because it was unfinished, and he apparently set basic standards as an inconclusive effort towards the goal achieved in the Fourth. Similarly, he felt the Sixth, Seventh, and Eighth to be less than complete realizations of Mahler's genius. Steppingstones leading up to his final testament: the Ninth. The First is a very Austrian symphony, and this is the one most in both of Walter's recordings. The earlier of the two no longer merits much attention, since the stereo is better in every way. I doubt if we shall ever hear a more completely sympathetic (or authoritative) recreation of this music.

**Symphony No. 2, in C minor ("Resur-**

Emilia Cundari, soprano; Maureen Forrester, contralto; Westminster Choir; New York Philharmonic (1957). M2L 256 or M2S 601 (stereo).

Even with stereo the full sonic scope of this score is attenuated, but the performance remains a landmark. This is the symphony in which the influence of Bruckner is most apparent, and I feel that Walter brings this out much more clearly than other conductors. Early Mahler and late Mahler are not the same. This is how early Mahler ought to go if the genius is to show.

**Symphony No. 4, in G**


This was, amazingly enough, the first recording of a symphony that is now a standard item in concerts and on recording schedules. For many music lovers it provided the first opportunity to become familiar with one of Mahler's finest achievements. Indeed, much of the present popularity of the work must be attributed to this set. The long-play transfer is a very fine one, and there is plenty to hear and cherish. If I could have only one Mahler Fourth on the shelf, this would still be it.

**Symphony No. 5, in C sharp minor**


The last time I talked with Walter, he was looking forward to making a stereo version of this symphony and showed me the final, revised score—with redlined amendments in Mahler's own hand—which was to be the basis of the original material. What denied that recording, but in its current pressings the older version is quite good enough to prove that this is the most unjustly neglected of all the Mahler symphonies. The Adagietto gets extracted for concert purposes, but the entire score is worth knowing.

**Symphony No. 9, in D minor**


The Vienna set was made just a few months before the New York set was completed. Continued on page 102.

High Fidelity Magazine
Thanks to the general excellence of today's records and playback equipment, the longevity of discs has been considerably increased: properly handled and stored, and played with correctly installed and adjusted equipment, they can continue to offer clean and faithful reproduction for many years. But to forestall the premature demise of disc recordings takes some understanding and effort.

Record wear, it is generally conceded, stems from two main causes: the very playing of the record, and the way in which it is handled and stored. The former involves a complexity of factors which specialists in the field are only beginning to understand and over which the user has limited control. The latter cause of attrition is more fully documented—chiefly in terms of the damage resulting from dirt and improper storage—and is much more susceptible to control by the user.

To examine the "playback problem" first: while most experts allow that there is a relationship between record wear and such factors as stylus size, vertical tracking force, cartridge compliance, and tone arm design, there is little agreement as to just what the relationship is in specific terms. Research continues, but so far no single claim or formula for reducing disc wear under a variety of playback conditions has been substantiated. But until further evidence is forthcoming, certain important general points can be made.

Inevitably, a record is subject to some wear when it is played. The stylus performa sets up friction between itself and the walls of the record groove, and at the same time it exerts weight and pressure against these walls. The friction can become a source of long-term "smoothing," wearing away both the modulations in the groove and the stylus itself (not unlike the action of sandpaper on wood). The weight and pressure comprise a dynamic thrust that can gouge or deform part of the groove wall (as a chisel exercised on wood). These deformations, in turn, set up a vicious cycle: once a stylus tip develops a flat, it begins to grind and cut even more severely, thus producing additional and more intense groove deformations that will in turn rub more harshly on the stylus. Similarly, a really bad gouge in a portion of the groove wall presents an obstacle to the stylus, which then reacts by flexing out of its correct alignment with respect to the cartridge body or by developing another flat, or both—and record wear and audible distortion are increased.

According to recent research done at the Royal Technical College in Salford, England, the principal effect of groove deformation is to indent into the groove a new set of wiggles representing harmonic distortion of the recorded waveform. This distortion can be expected to be as high as five per cent with the best of current pickups, and can exceed fifty per cent with poor pickups, or with improper adjustment of any pickup. One consoling feature is that practically all of the damage is done in the very first playing of such a record; subsequent playings do little additional harm and may even smooth out some of the initial damage.

At the 5- to 8-gram pressures required with most monophonic pickups a few years ago, a sapphire stylus would develop damaging flats in as few as fifty playings, and a diamond in several hundred. The only solution was to change the stylus, but even this did not eliminate all wear, for at these pressures the new, smooth stylus too would eventually wear the groove down.

Reducing the pressure of the pickup would seem, then, to be the logical way to reduce wear caused by rubbing. At pressures of 2 grams or less, rubbing wear on both the stylus and the groove becomes so nominal that, barring other causes of wear, both styli and records should have a virtually unlimited life. This will be true, however, only if the pickup is tracking properly at these low pressures. While reducing the pressure of a pickup that is itself designed for a higher pressure—for instance, using a tracking force of 2 grams for a pickup designed to track at 5 grams—may well lessen wear due to rubbing, it may cause far greater damage to the record by increasing the deformation of the groove through its dynamic thrust. Furthermore, some pickups simply won't track at very low pressures and will skip across the groove walls. For these reasons, operation at low...
pressures requires pickups and arms specifically designed for low pressures. Most of today's high compliance pickups and carefully balanced tone arms—available as separate components for use with manual turntables and in such improved automatic players as the Dual 1009, the Garrard Type A, and the Miracord—do permit tracking at pressures of 2 grams or less, and to minimize record wear due to friction the serious collector may wish to replace older equipment with more advanced types.

Yet the problem of damage through stylus thrust remains, and, ironically, it may be intensified if the equipment is not adjusted properly. Just as any sharp pointed instrument will indent a surface as it is pulled along under pressure, a stylus tends to act in a similar manner on a record groove as it traces. And in a modulated groove—where the stylus is vibrating from side to side at rates up to 15,000 times a second—the pickup can become a sort of jackhammer capable of doing considerable damage to the sides of the groove with its blows.

Because the behavior of a stylus moving in a modulated groove involves many factors, it has been difficult to obtain conclusive data on groove deformation through stylus thrust. The British researchers have been using an ingenious process of obtaining carbon film replicas of the groove and then examining these under electron microscopes at magnifications ranging from 5,000 to 50,000 diameters. An early indication from these studies is that the deformation—if the groove is not modulated—is proportional both to pressure and to stylus diameter. The smaller the stylus and the higher the pressure, the greater the deformation. Or to put it another way, reducing stylus pressure reduces deformation but reducing stylus size increases deformation. Thus, if stylus size is reduced, stylus pressure must be reduced correspondingly. This is essential to the playing of stereo discs, which require a stylus no bigger than 0.7 mil. With a stylus of 0.7 mil, deformation becomes insignificant with pressures below 2 grams. With a 0.5-mil stylus, pressure should be reduced to 1.5 grams; and the use of a 0.3-mil stylus calls for pressure of 1 gram or less.

These figures, of course, apply to static deformation—that is, with reference to an unmodulated groove. With a modulated groove, things are less clear. It has been found that there is a limit to the reduction of stylus force. At too low a pressure the stylus no longer can maintain firm contact with the groove, especially during high level peaks. The result is an increase in audible distortion and probably in the damage done by the dynamic deformation—that "jackhammer" action of the vibrating stylus. Other, more complicated, factors are involved here too. One of the most important is the mass of the stylus tip. Just as a heavier hammer will drive a nail farther in a given number of blows of the same length, so a stylus with high tip-mass will do more damage than one with low tip-mass. Thus, it would seem that the smaller stylus which permits lower tip-mass would have a clear advantage.

On the other hand, the smaller stylus does not fit the groove as snugly; as a result, the play between stylus and groove walls in effect increases the length of the stroke at which the hammering action takes place. What's more, the smaller tip size gives the stylus a sharper point, which may increase the damage it can do. Finally, it must operate at lower pressure to keep down the static deformation but—because of this low pressure—a high velocity modulation tends to throw it out of the groove. Hence the
larger stylus has an advantage in these respects. The elliptical stylus (0.7 mil by 0.3 mil) recently introduced by Ortofon is designed to serve as an "ideal compromise." Its width is intended to permit it to maintain firm contact with more of the groove; its narrow depth is designed to follow very small high frequency indentations as faithfully as does the small round stylus.

In truth, there is so far no clear-cut solution to the problem posed by "larger" versus "smaller" stylus tips. Most recent products represent an optimum design in one direction or the other, with the determining factor being the actual performance of the pickup, or pickup-arm combination, as evaluated by measurements and listening tests. The present range, among pickups acceptable for stereophonic high fidelity reproduction, runs from perhaps just over 2 grams to below 1 gram, with stylus sizes running correspondingly from the early 0.7 mil to recent models of 0.5 mil and smaller.

Whatever the pickup and the size of the stylus, the owner should remember that the lowest stylus pressure permitting undistorted playback of the highest amplitude on the record will probably result in the least deformation of the groove. On some records, with some pickups, pressures as low as 1/4 gram may be sufficient; on other records, pressures as high as 2 grams may be needed with the very same pickup. Of course, few listeners will want to change stylus pressure for every recording, and for that matter few tone arms permit this adjustment to be made so easily that it can be repeated at frequent intervals. Most people will simply set a pressure suitable for use with most of their recordings.

My own procedure is to adjust a new pickup for the point at which the "hiss" on the loudest groove of a test record (any of several are suitable: see High Fidelity, December 1963, page 48) just disappears. I find that even with pickups of the very highest compliance and lowest tip-mass this results in a pressure between 1 and 1.5 grams—which I have found will provide good tracing on at least ninety per cent of all monophonic and stereo records. Pickups not of the highest compliance or lowest tip-mass probably will require something closer to 2 grams—which still is on the safe side to avoid undue record wear. With these pressures, my own records, played hundreds of times over a period of years, still seem to deliver clean sound.

At all events, the most serious threat to record life is dust, dirt, and grime. A stylus tracking at forces as low as 1 or 2 grams may itself be incapable of eroding a record significantly; but once it starts to push or drag an accumulation of dirt through the groove, it becomes—like the block of wood to which sandpaper is attached—an innocent instrument of erosion. Additionally, pickups operating at pressures in the 1-gram region—particularly those with small diameter styli—are extremely sensitive to foreign matter in the groove. Since they can respond to motions of only a few millionths of an inch, they will produce a loud "pop" on encountering a minute speck of dust. And, as the dust accumulates around the stylus, it lifts it out of contact with the groove. Consequently, keeping the disc and stylus clean of dust and grime has become even more important today than ever.

The oldest and simplest way to clean, or rather preen, a new record (or any record before playing it) is to wipe its surface with a moistened very soft cloth, piece of chamois or velvet pile, or very soft brush. In addition to these common household objects, there are also a number of inexpensive items commercially available.

One of these is the "jockey cloth"—a pad of chamoislike cloth impregnated with silicone dressing. Such cloths are easy to use and do an excellent job of picking up lint and dust and of destaticizing the record to render it less apt to attract dust. They do, however, have certain disadvantages. In the first place, not only do they pick up dust and grime but they also hold it firmly. Thus, once the cloth has

Newest devices include dust bugs in manual and changer versions, shown with Parastat above and Preener below. Upper right, Grado's Dustat; lower right, ADC Hush Brush.
accumulated dust, it may itself become a new source of record damage and must be replaced fairly often. Secondly, silicone is a type of grease. Some of it is transferred from the cloth to the groove, where it may push dust deeper into the groove and clog the finer wiggles. When this mixture of dust and grease is plowed up by the stylus, it acts as a sort of grinding compound. In general, the simple cloths are satisfactory for use on records played with the larger-size styli at pressures above 3 grams—which is to say, for service in monophonic systems—but they are less desirable for the lower pressures and smaller styli used in stereo.

More effective is a piece of velvet or mohair pile, or a brush whose bristles penetrate the grooves. One of the oldest of such record cleaners is the Lektrostat combination of a pad of sheared acetate velvet and an aqueous detergent solution. The pad is moistened with a few drops of the solution and the record is wiped, in a circular fashion, a few times. A stylus brush is included; similar kits are offered by several companies, including Audiotex, Beyland, Duotone, Lafayette, and Robins.

Cecil Watts—British engineer and writer—has been particularly concerned with record cleaning and has introduced several devices marketed here by Elpa. His most recent is the “Parastat”—a roller of very soft velvet pile which is kept slightly impregnated with a diluted detergent solution through an inner wick. The roller is pressed gently to the surface of the record as it revolves on the turntable for a revolution or two, picking up dust and at the same time applying a very thin film of the liquid.

The ADC Hush Brush is a somewhat more complicated device, employing a brush of sharply pointed nylon bristles and a velvet roller which is moistened by a liquid contained in the handle. As it is held on the record for a revolution or two, the brush sweeps the dust out of the groove and the roller picks it up and at the same time applies a film of the liquid. A two-sided brush that cleans both sides of a record at once and leaves a thin antistatic coating on them has been introduced by Corey of California.

Devices of this kind cover the entire radius of the record at once. Doing much the same job over a smaller part of the record (and thus necessitating its being used continuously during play) is Cecil Watts’s famous Dust Bug. This is a velvet roller attached to a stand which is in turn fastened to the turntable base. The roller sweeps the grooves as it moves inward ahead of the stylus. It is also moistened occasionally with an antistatic and cleaning solution. Variants of the Dust Bug have now been put on the market by other manufacturers.

An alternate to the moistened brush is a dry brush which preens rather than cleans, and is effective for new records. A wide, soft, artist’s brush can be used for this purpose, and there are also available several wide brushes fixed on stands to be attached to the turntable base; these sweep the record continuously as it revolves. One such is the brush manufactured by Precision Manufacturing Company of Aurora, Indiana. Another is the Grado Dustat, similar in principle but using a fold of very soft velvet instead of a brush. Either the Elpa Parastat, or its simpler variant, the Preener, also may be used dry for this purpose.

The above devices—wet or dry—cannot very conveniently be used with changers because no one has yet devised one that will move aside during the change cycle. There is, however, a changer version of the Dust Bug as well as several dry brushes which can be slipped to the tone arm of a changer to sweep the groove during play, such as those offered by Audiotex, Duotone, Robins, and White Lion. These are quite satisfactory at tracking pressures between 3 and 5 grams, but not suitable for use in the most recent independent tone arms or at pressures below 3 grams with any tone arm. It is extremely difficult to adjust the pressure to allow for the stiffness of the brush—and even then the pressure tends to vary. Certainly, none of these brushes should be attached to any arm operating at 2 grams or less, unless one has the means and the considerable skill required to adjust the pressure so that the stylus itself is under proper pressure. This procedure usually requires a special type of pressure gauge, since the inexpensive balance-type suitable for most purposes does not do the job adequately.

Despite all measures to keep the record clean, the stylus itself will accumulate dust and grime and thus require periodic cleaning. The simplest and best procedure is to brush the tip of the stylus with a very soft brush every time a record has been played. An artist’s small camel’s-hair brush will do; but there are special brushes for this purpose, the most elegant of which is the fountain pen type such as the Duotone. The “lipstick” type of brush for cleaning camera lenses, obtainable at any camera store, is also very convenient and safe.

The stylus used in a record changer—which may run for hours without interruption—may accumulate dust and require cleaning while playing. A good substitute for hand brushing is a little brush that is fastened to the changer base in such a way that the arm, as it returns to its rest, pushes the stylus through the bristles. Suitable models are made by Audiotex, Duotone, Prosound, and Robins.

Several types of solvents and fluids are used for application to rollers, pads, or cloths to provide cleansing action and to neutralize the electrostatic charge which tends to build up on records. These can be divided into alcohols, glycols, detergents, and silicones. Alcohol in dilution with water of about the same proportion as in the standard drugstore “rubbing alcohol” appears to have no adverse chemical effect, is a good solvent, and leaves no residue. Ethylene glycol, most familiar to us as a type of automobile antifreeze, is also a good solvent with no apparent chemical effect and leaving little residue. It is used in the Dust Bug and Hush Brush. A solution of detergent in water is also an excellent solvent that has no

Continued on page 110
Between execrable and exquisite there's a delicate dividing line.

By Denis Stevens

"SHE'S NO GOOD," said the a & r man, with that martyred look that comes so naturally to the species. "We'll just have to find somebody else. She has a vibrato you could hang your hat on." By which he meant to say, un gallant or no, that permanent waves in woman's crowning glory are one matter: permanent wobbles in her voice, quite another.

The issue has been setting up critical vibrations for centuries. William Pryne, who had little use for music and none at all for singers, at any rate in ecclesiastical music, seized upon a diatribe penned by the twelfth-century Bishop Aelred to give us what is surely one of the earliest descriptions of the vocal disease or ornament called variously vibrato, trillo, tremolo, wobble, and judder: "The voice is enforced into a horse's neighings—writhe, and retorted with a certaine artificial circumvolution." In the 1920s a research team at the University of Iowa, under the direction of Carl Seashore (then Head of the Department of Psychology), launched a full-scale scientific investigation of these "horse's neighings" and published the results in a chart-packed volume of nearly four hundred pages. The phenomenon was examined under every conceivable light—physical, aesthetic, psychological, historical, and many more. Vibratos of singers, wind instrumentalists, violinists, were photographed and measured and studied. Amateurs, professionals, white men, colored men, old people, children—all passed before the tribunal at some stage or other, and vibratos calculated to decimal places resembled stock exchange ticker tape gone crazy.

Or perhaps not quite so crazy. Seashore and his associates discovered several truths and disposed of numerous fables relating to their strange subject. One was that a person possessing (or possessed by) a vibrato often did not know of its existence. Another stemmed from a group of intelligent and conscientious musicians who, on hearing the selfsame voice and vibrato, could not agree on the physical
A Soupçon of Vibrato

extent of the fluctuation, and even failed to distinguish between a change in pitch and series of changes in intensity. For vibrato is a complex attribute: in essence a variation in pitch, sometimes less than a semitone, sometimes more than a tone, it is also a series of variations in intensity, and both pitch and intensity are measurable. One of the most remarkable discoveries made was that the broad average of vibratos per second in fully developed voices was seven, a figure common also in wind and string vibratos. Natural or induced vibrations of the body also turned up the figure seven, that magical prime number beloved of witches and itches alike.

The conclusion drawn from these investigations was that vibrato is an undeniably common feature of artistic voice production, welling up from deep-seated emotional sources and allied to quintessential physical causes. Far from being despised, it should be welcomed with open ears. Moreover, distinction should be made between natural vibrato, capable of coloring and enriching a voice (provided the voice is worth listening to in the first place), and the tremolo or bleatlike sound which so often masquerades as its better half. Here, of course, terminology raises its tiresome head, for tremolo has for years been used in a nonpejorative sense to describe a rapid and deliberate alternation of two notes (any interval) in instrumental writing, also a rapid and deliberate to-and-fro motion of a string player's bow on the strings. In connection with a singer, however, referring to a tremolo can be tantamount to hurling an insult.

A trill is also recognized as a rapid alternation of two notes, either a semitone or a tone apart; and although instrumentalists usually have no difficulty in cultivating a good trill, vocalists may never capture it as long as they live. Terminology again: Caccini, in his Nuove musiche (Florence, 1602) calls our trill a "gruppo," and he describes and notates a form of cadential ornament, closely resembling a highly sophisticated vibrato, under the name of "trillo." He even claims that this desirable addition to the vocalist's talents can be easily taught, citing the lady members of his own family, who acquired it in a matter of a week or two. If Caccini's boast resembles the Renaissance equivalent of those famous musical advertisements ("they laughed when I sat down to vibrate, but after two minutes ..."), we must at least grant him credit for formulating its artistic use, and so confound the critics who blamed the tenor Giovanni Battista Rubini (1795-1854) for the "invention" of vibrato.

There are no records of Rubini, not even a wax cylinder. But one who heard him managed to convey something of the nature of his vocal quality: "Rubini's voice, small in the beginning, developed marvelously in tone volume, and the swell and diminish of notes (messa di voce), called by Italians 'vibrato of the voice,' was characteristic of his style. This ebbing and flowing undulating wave of sound upon sustained notes was the source from which spring the modern tremolo and vibrato, which is so much in evidence among singers, and so offensive to all of really refined musical taste." This tendency to link crescendo and decrescendo with vibrato appears at first a case of mistaken identity. It has been proved, however, that vibrato almost disappears in very quiet singing, whereas in fortissimo passages a normal vibrato speed will increase its number of pulses, due to the air pressure on the vocal cords. Rubini was of course an exponent of bel canto; some modern tenors whose range of dynamics rarely passes below a healthy forte might suitably be referred to as exponents of "can belto." The size of the vibrato is sometimes in inverse proportion to the square root of brain size divided by extent of taste.

A century before Rubini's heyday, the violinist Geminiani gave a do-it-yourself account of vibrato (which he called "close shake") in his Art of Playing on the Violin: "To perform it, you must press the Finger strongly upon the String of the Instrument, and move the Wrist in and out slowly and equally, when it is long continued, swelling the Sound by Degrees, drawing the Bow nearer to the Bridge, and ending it very strong it may express Majesty, Dignity, etc. But making it shorter, lower, and softer, it may denote Affliction, Fear, etc. and when it is made on short Notes, it only contributes to make their Sound more agreeable and for this Reason it should be made use of as often as possible." Once again, vibrato is associated with crescendo; but even more important and indicative of modern trends is the statement that vibrato should be used frequently. The German school of violinists in the nineteenth century disagreed with this warm, sunny Italian disposition. Spohr advised extreme caution in its employment, and Joachim hardly ever used it at all. The great Russian teacher Leopold Auer said: "Only the most sparing use of the vibrato is desirable; the too
generous employment of the device defeats the purpose for which you use it. The excessive vibrato is a habit for which I have no tolerance, and I always fight against it when I observe it in my pupils—though often, I must admit, without success.” Naught Heifetz, naughty Zimbalist, naughty Elman.

The change of fashion came in Germany and Austria with Kreisler’s rise to fame. His vibrato was well controlled, all-pervasive, musical, and lively. Carl Flesch summed up the Kreisler revolution in one cogent sentence: “He uses but little of the bow, strong pressure, and a continuous, most intense vibrato (even during runs) when he plays, and with these most individual means achieves the highest measure of musical expression.” The sensuous French have been vibrato-conscious for centuries. As early as 1636, Marin Mersenne extolled the violin vibrato in his Harmonie Universelle: “The strokes of its bow are sometimes so ravishing that one can think of no greater dissatisfaction than to hear the end of them, especially when they are mingled with quiverings and gentle motions of the left hand, which constrain listeners to admit that the violin is the king of instruments.”

Alas, the gentle motions have on occasion given way to a highly charged, chromium-plated, twentieth-century tonal alternator. Sometimes we hear nothing but the ubiquitous vibrato permeating quicks, sloms, louds, softs, passionates, lyricals, cools, and hots. One remembers the lunatic banging his head continuously against the wall because it felt so good when he stopped. But do these vibratoists ever leave off? Achille Rivarde, a New Yorker who became one of the Paris Conservatoire’s most brilliant students, wrote one of the wisest bits of advice any string player could adopt: “Never be dependent on vibrato for expression. Practice usually without it, and remember that the most wonderful effect of contrast can be made by avoiding it altogether.”

But did Rivarde mean the “non vibrato” contrast of timbre asked for by Bartók in his string quartets and violin music, and by other moderns conscious of the emotional impact of tonal subtleties? Or did he mean the judicious use of “white” notes within a phrase, so beautifully exploited by such performers as Milstein, Szeryng, and Oistrakh? To hear these artists play a sonata or a concerto, to listen to their calculated or instinctive use of vibrato, is worth a dozen lessons in interpretation. Usually they color a cantilena by developing vibrato on harmonically or structurally important notes: the less important ones (passing-notes or auxiliary notes) are left white, the better to point up whatever melodic line is being dealt with. The slow movement of Milstein’s Mendelssohn Concerto (Angel 35730 or S 35730), Szeryng’s Symphonie espagnole passim (RCA Victor LM 2456, or LSC 2456), the lyrical passages in Prokofiev’s Violin Concerto No. 2 as played by Oistrakh (Angel 35714 or S 35714), all are sonorous embodiments of Rivarde’s contrast maxim. You can see it in action, as well as hear it, when great cellists play in public. Their left-hand vibrato movements are more easily visible than those of violinists, and so it is that Rostropovitch’s Schumann (DGG 18674 or 138674) and Starker’s Dvořák (Mercury 50303 or 90303) enable the keen-eared listener to picture the soloist at work, making the very most of his tonal palette and musical sensitivity.

The finest singers today undoubtedly achieve some of their most memorable vocal effects by a subtle control of vibrato, and so of color and emotion. Two names that spring to mind at once are those of Victoria de los Angeles and Dietrich Fischer-Dieskau. Their voices would be immediately recognized among hundreds, even hundreds of years hence, and their repertoires range far beyond those of other singers only slightly less great. De los Angeles sings songs of all kinds to perfection: German Lieder, French mélodies, Spanish villancicos, and she ranges happily over six or seven centuries. At the other extreme is her high competence in opera, shared by Fischer-Dieskau, who is probably the greatest Lieder singer today—and no stranger to the French repertoire, as shown by DGG 18615 or 138615—as well as a highly sensitive interpreter of Heinrich Schütz. To cover successfully such a wide repertoire, the artist needs a thousand different shades of vocal timbre. Intelligent control of vibrato can and does contribute a great deal to interpretation, underlining the meaning of a word, the significance of a phrase, the finality of a cadence. Nowhere can this be heard to greater effect than in the delightful De los Angeles/Fischer-Dieskau collection of duets (Angel 35963 or S 35963). There are, of course, many singers today whose control of expressive means and musical ends adds up to a very high degree of artistry, just as there are others whose lack of control is sometimes disconcerting. Maria Callas, for instance, in her impressive “mezzo-soprano” record of French operatic arias (Angel 35882 or S 35882) indulges in more than one climactic cadential high note whose degree of deviation from pitch (combined with a really slow wobble) almost destroys the listener’s pleasure in what has gone before.

This type of ultraslow vibrato cannot be fused into one acceptable and recognizable pitch by the average musical ear. Quicker vibratos achieve this, just as the flicker of a projector shutter becomes invisible as it is speeded up. Even without the aid of complicated and expensive measuring apparatus, the owner of a four-speed record player can test this theory for himself. Play a 33-rpm disc at 45, and the Sextet from Lucia will begin to sound like the Chipmunks. Slow a 33 disc of a soprano down to 16 rpm and the vibrato suggests the torments of the damned. It is all a matter of degree, and the experience is in the ear of the hearer. When Galli-Curci first appeared in London, violent arguments between critics cast a temporary smog over her fair reputation. One found her concert “a sorry, sordid, and ridiculous business,” and then went on to speak satirically for her vibrato.
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From the very first prototype, the sound from the new Shure Series M44 Stereo 15° Dynetic Cartridge was incredible. Even skeptical high fidelity critics have expressed unqualified surprise at the audible increase in brilliance, clarity, transparency, presence, fullness and smoothness of this amazing new Shure development. A close analysis of its performance reveals startling differences in this cartridge—although not extraordinarily improved in the "usual" areas of frequency response (still a virtually flat 20-20,000 cps) or in compliance (25 x 10^{-6} cm/dyne)—rather it is in the distortion measurements where Shure engineers have achieved a highly significant and dramatic reduction of 75% to 90% in THD and harmonic distortion from even such admirably distortion-free cartridges as earlier versions of the Shure Stereo Dynetic. Further, cross-talk between channels has been effectively negated in the critical low frequency and mid ranges... providing superior channel separation throughout the audible spectrum.

SCRATCH-PROOF RETRACTILE STYLUS
And, as if that were not enough, the new 15° cartridge incorporates a totally efficient retractile stylus that momentarily retracts whenever excessive forces are applied to the tone arm. This feature protects your records and prevents annoying "clicks."

PERFECTION IS A MATTER OF DEGREE
It has been known for some years that a difference between the angle used to cut stereo records and the angle of the stylus of the cartridge used to play them would result in an increase in THD and harmonic distortion audible on certain records. With widely different cutting angles employed by the record companies, the effective angle of the playback cartridge stylus had of necessity to be a compromise so as to provide the best possible results from records of all makes.

Recently, industry attention was focused on this problem by a series of technical articles ascribing the difference in effective vertical angles between the cutters of the new stereo cartridge and the playback cartridge stylus as a cause of distortion and urging the adoption of a standard effective angle to which records would be cut.

Major record companies have now begun to use an effective cutting angle of 15° which is the proposed standard of the RIAA (Record Industry Association of America) and EIA (Electronic Industries Association.)

With the emergence of the single standard effective vertical tracking angle for cutting records, Shure engineers immediately began what seemed on the surface the seemingly simple but in actuality the arduous and exacting task of converting their formidable Stereo Dynetic cartridge to the 15° effective tracking angle. It couldn't be done. So Shure designed this radically new moving-magnet cartridge that will track at an effective angle of 15°. Graphically, this is the kind of cartridge geometry involved in the new Shure Series M44 15° Stereo Dynetic Cartridge:

THE ULTIMATE TEST
You must hear this cartridge to appreciate the totality of the sound improvement. It will be instantly recognizable to the ear without the necessity for elaborate test instruments or A-B listening tests—although we assure you, instruments and A-B tests will more than substantiate our claims.

<table>
<thead>
<tr>
<th>M44 SERIES SPECIFICATIONS</th>
<th>M44-5</th>
<th>M44-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response:</td>
<td>20-20,000 cps</td>
<td>20-20,000 cps</td>
</tr>
<tr>
<td>Output Voltage at 1000 cps (Per Channel, at 5 cm/sec peak velocity):</td>
<td>6 millivolts</td>
<td>9 millivolts</td>
</tr>
<tr>
<td>Channel Separation (at 1000 cps):</td>
<td>Greater than 25 db</td>
<td>Greater than 25 db</td>
</tr>
<tr>
<td>Recommended Load Impedance:</td>
<td>42,000 Ohms</td>
<td>47,000 Ohms</td>
</tr>
<tr>
<td>Compliance:</td>
<td>25 x 10^{-6} cm/dyne</td>
<td>20 x 10^{-6} cm/dyne</td>
</tr>
<tr>
<td>Tracking Range:</td>
<td>1/4 to 1/4 Grams</td>
<td>1/6 to 3 Grams</td>
</tr>
<tr>
<td>Inductance (Per Channel):</td>
<td>680 millihenries</td>
<td>680 millihenries</td>
</tr>
<tr>
<td>D.C. Resistance (Per Channel):</td>
<td>650 Ohms</td>
<td>650 Ohms</td>
</tr>
<tr>
<td>Stylus:</td>
<td>.0007&quot; diamond</td>
<td>.0007&quot; diamond</td>
</tr>
<tr>
<td>Stylus Replacement:</td>
<td>N44-5</td>
<td>N44-7</td>
</tr>
</tbody>
</table>

Monophonic Stylus Also Available:
Model M44-1—For monophonic LP records, with .001" diamond
Model M44-3—For 78 rpm records, with .0025" diamond

SHURE
Stereo Dynetic
SERIES M44 SCRATCH-PROOF CARTRIDGE WITH RETRACTILE STYLUS
the new standard in distortion-free hi-fi cartridges

LITERATURE: Shure Brothers, Inc. 222 Hartrey Avenue, Evanston, Illinois
Manufactured under U.S. Patents 3,055,908; 3,077,521 and 3,077,522. Other Patents Pending
THE EQUIPMENT: United Audio Dual TG 12 SK, a three-speed, quarter-track stereo/monophonic tape recorder, with built-in power amplifier and speakers installed in removable covers for an integral carrying case. Over-all dimensions (closed): 11 3/16 by 16 by 14 3/4 inches (allowing for handle and feet). With the speakers removed, the deck is 6 3/4 inches high. Price: $349.95. Manufacturer: Gebrüder Steidinger, St. Georgen/Black Forest, Germany. Distributed in the U.S.A. by United Audio Products, 12 West 18th St., New York 11, N. Y.

COMMENT: The Dual TG 12 SK offers the virtues of a completely self-contained tape recording and playback system that also may be easily adapted into a component music system. Mechanical performance and sound, in either use, are very commendable—especially in view of the compactness and cost of the unit. The operating controls and their markings may take some getting used to for most American users, but the instruction booklet with the Dual should help such orientation.

The entire equipment, when the speaker covers are clamped to the deck, forms a suitcase-like package. To use the recorder, the speaker covers are removed and the deck is revealed. The speakers then may be positioned at suitable distances from the deck. Alternately, the deck can be installed more permanently for wiring into an existing component system. Suitable input and output jacks, as well as the required cable connectors, are supplied. The extension speakers themselves—5-ohm units, fed by about 1.6 watts of audio power output from the deck's built-in amplifier—sound surprisingly good. When the recorder is used in a high fidelity component system, its sound—on record/playback as well as playback of prerecorded tapes—is distinctly above average for its price class.

The recorder offers three speeds: 7 1/2, 3 1/4, and 1 3/4 ips. Its main operating functions are controlled by seven mechanically actuated push buttons, arranged across the deck just below the head assembly. To the left of this array are the speed selector and tape index counter; to its right are the recording level control and indicator. The recording level control adjusts the level in both channels simultaneously, and the level indicator (electronic beam type) indicates the total level of both channels together rather than separately. The versatility of the recorder is therefore somewhat limited for stereo recording in that individual channel fine adjustments cannot be made. However, the Dual makes up for this in other ways. For instance, it has a "dubbing" control which allows one to superimpose a new recording on an already existing one. It also has the extra slow speed of 1 3/8 ips for extended recording time on voice; built-in amplifiers and extension speakers add to its versatility.

Electronic controls include volume, channel balance, and four positions of tone compensation. At the upper edge of the top panel, between the reels, is the track selector switch which can be set for stereo with both tracks, or for mono using either the upper or lower one. Electrical connections to the recorder are made through European-type 5-pin jacks at the rear of the...
United Audio Dual TG 12 SK Tape Recorder

**Lab Test Data**

**Performance characteristic** | **Measurement**
--- | ---
Speed accuracy at 7½ ips | 4.6% fast at 117 volts AC
| 3.4% fast at 105 volts AC
| 5.4% fast at 129 volts AC
| 2.6% fast at 117 volts AC
| 1.4% fast at 105 volts AC
| 3.9% fast at 129 volts AC
| 1.1% fast at 117 volts AC
| 0.85% fast at 105 volts AC
| 1.4% fast at 129 volts AC

Wow and flutter at 7½ ips | 0.08% and 0.10% respectively
| 0.08% and 0.12% respectively

Rewind time (7-inch, 1,200-ft. reel) | 1.48 minutes

Fast forward time, same reel | 1.52 minutes

NAB playback response (ref. Ampex test tape No. 31321-01), 7½ ips
- Left: +1.7, -2.5 db, 94 cps to 15 kc; slope to -6 db at 50 cps
- Right: +1.2, -2 db, 50 cps to 15 kc

Max. output level (with 0 VU signal at 700 cps, on test tape)
- With -10 VU signal: each channel: 1.15 volts
- With each channel: 0.37 volt

Record/playback response (with -10 VU recorded signal) at 7½ ips
- Left: +1.5, -3 db, 68 cps to 17.5 kc; down to -7 db at 25 cps and at 19 kc
- Right: +0.5, -3 db, 63 cps to 16 kc; down to -6 db at 25 cps, to -7 db at 18.5 kc

| FREQUENCY, CPS |
| --- | --- | --- | --- | --- | --- |
| 50 | 100 | 500 | 1K | 3K | 5K |
| 20 | +5 | -5 | -5 | -5 | -5 |

NAB Playback Frequency Response at 7½ ips

| FREQUENCY, CPS |
| 20 | 50 | 100 | 500 | 1K | 3K | 5K | 10K | 20K |
| 20 | +5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 |

Record/Playback Frequency Response Characteristics at 7½ ips

| FREQUENCY, CPS |
| 20 | 50 | 100 | 500 | 1K | 3K | 5K | 10K | 20K |
| 20 | +5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 |

Total Harmonic Distortion

- Left: 1.15 db
- Right: +3.1 db

| FREQUENCY, CPS |
| 20 | 50 | 100 | 500 | 1K | 3K | 5K | 10K | 20K |
| 20 | +5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 |

Total Harmonic Distortion at 3½ ips

| FREQUENCY, CPS |
| 20 | 50 | 100 | 500 | 1K | 3K | 5K | 10K | 20K |
| 20 | +5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 |

Total Harmonic Distortion at 7½ ips

| FREQUENCY, CPS |
| 20 | 50 | 100 | 500 | 1K | 3K | 5K | 10K | 20K |
| 20 | +5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 |

Testing Company, Inc., the TG 12 SK acquired itself handsomely. The recorder transported the tape well, and the change from one mode of operation to another was made very smoothly. Distortion, wow, and flutter all were very low, and the signal-to-noise ratio was favorable. Frequency response was very good to beyond 15 kc at the 7½-ips speed. While not as wide at the lower speeds, the response of the recorder still was relatively good at both 3½ and 1½ ips. The Dual TG 12 SK, in sum, is one of the better tape recorders available today, and merits serious consideration in its price class.

COMMENT: A full complement of controls, a high-performing tuner, and an amplifier capable of delivering 30 watts per channel are built—in the S-7700—onto a relatively compact chassis which may be fitted in its own attractive enclosure or may be panel-mounted in custom cabinetry. The main operating control knobs include a four-position input selector (tape head, phono, tuner, and auxiliary); a five-position stereo-mono function switch ("mix" for playing mono records, stereo reverse. stereo normal, FM, and AM); a phono gain control; concentric bass and treble controls for each channel; a stereo balance control concentric with an FM interchannel hush (squelch) control; a loudness control combined with an off/on switch; and a tuning knob. In addition there are six slide-switches (for tape monitor, phase reversal, low-frequency filter, high-frequency filter, loudness compensation, and AM selectivity). Three source indicator lamps—marked for tape head, phono, and auxiliary—also are on the front panel. The station-tuning dial is long and clearly marked, and has a station-tuning eye as well as a stereo multiplex indicator. The rear of the set contains outputs for speakers of 4, 8, or 16 ohms; an unswitched AC convenience outlet; and signal input jacks for two low-level (phono and tape head) and two high-level (monitor and auxiliary) sources, and outputs for feeding a tape recorder.

Tests were conducted at United States Testing Company, Inc., on the tuner and amplifier sections of the S-7700. As the measurements indicate, the amplifier is a clean, medium-powered unit, capable of driving most speakers to more than ample volume. It has effective controls, very good playback equalization characteristics, adequate sensitivity for input signals, and favorable signal-to-noise ratios. As is typical of most integrated chassis components, the low-frequency (30-cps) square-wave response showed the effects of bass rolloff and phase distortion, although the high-frequency (10-kc) square-wave response had good rise-time and small overshoot, indicating good stability and transient response.

Measurements on the tuner section were made through the amplifier, supplying about one watt of audio output. FM sensitivity was very good across the band, and the set responded to stations cleanly and with very low distortion. The left and right channels were well balanced on stereo, and separation between them was very good. Distortion rose, as is usual, on stereo—but the distortion on mono was so low to begin with that the increase on stereo still was virtually insignificant. The stereo pilot and subcarrier signals were suppressed enough not to interfere with off-the-air tape recording.

The S-7700 includes an AM section which USTC found to have good sensitivity, fairly low distortion, and a respectable frequency response with the set used in its "wide" IF bandwidth mode.

With its low distortion, clean response, and well-mannered control features, the S-7700 could serve as the compact center of a high quality music system.

See next page for Lab Test Data

Square-wave response to 50 cps, left, and 10 kc.
Sherwood Model S-7700 Tuner/Amplifier

Lab Test Data

**FM Tuner Section**

<table>
<thead>
<tr>
<th>Performance characteristic</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHF sensitivity</td>
<td>2.3 µV at 98 mc; 2.2 µV at 90 mc; 3.0 µV at 106 mc</td>
</tr>
<tr>
<td>Frequency response, mono</td>
<td>±2 dB, 9.5 cps to 50 kc, except for 3.5 db peak at 30 cps</td>
</tr>
<tr>
<td>THD, mono</td>
<td>0.13% at 400 cps; 0.13% at 40 cps; 0.17% at 1 kc</td>
</tr>
<tr>
<td>IM distortion, IHF method</td>
<td>0.08%</td>
</tr>
<tr>
<td>Capture ratio</td>
<td>2.5 dB</td>
</tr>
<tr>
<td>S/N ratio</td>
<td>62 dB</td>
</tr>
<tr>
<td>Frequency response, stereo</td>
<td>both channels: ±1.5 db, 20 cps to 15 kc, with 2.5 db peak near 5 kc</td>
</tr>
<tr>
<td>Channel separation</td>
<td>left: 35 db at 1 kc; better than 20 db, 40 cps to 15 kc; 16 db at 20 cps right: 34 db at 1 kc; better than 25 db, 60 cps to 15 kc; 18 db at 20 cps</td>
</tr>
<tr>
<td>THD, stereo</td>
<td>left: 0.57% at 400 cps; 0.82% at 40 cps; 0.47% at 1 kc right: 0.67% at 400 cps; 0.90% at 40 cps; 0.54% at 1 kc</td>
</tr>
<tr>
<td>19-kc pilot suppression</td>
<td>-41.5 dB</td>
</tr>
<tr>
<td>38-kc subcarrier suppression</td>
<td>-43 dB</td>
</tr>
</tbody>
</table>

**AM Tuner Section**

| IHF sensitivity             | 136 µV |
| THD                         | 2.5% at 400 cps |
| Frequency response          | wide IF bandwidth: +1, -3 db, 20 cps to 5 kc; down to -6 db at 8 kc narrow IF bandwidth: +1, -3 db, 20 cps to 2 kc; down to -6 db at 2.8 kc |

**Amplifier Section**

<table>
<thead>
<tr>
<th>Performance characteristic</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power output</td>
<td>31.2 watts with 0.13% THD (left channel at clipping) 31.6 watts with 0.11% THD (right channel at clipping) 0.5% THD (left channel at constant 0.5% THD) 34.9 watts (right channel at constant 0.5% THD) both channels operating simultaneously at clipping left: 26.3 watts with 0.25% THD right: 28.1 watts with 0.20% THD</td>
</tr>
<tr>
<td>Power bandwidth (for 34.9 watts at constant 0.5% THD)</td>
<td>30 cps to 10 kc</td>
</tr>
<tr>
<td>Harmonic distortion</td>
<td>for 31.2 watts output, under 1% from 34 cps to 11 kc; 1.8% at 20 kc; 4.2% at 25 cps for 15.6 watts output, less than 1% from 25 cps to 20 kc</td>
</tr>
<tr>
<td>IM distortion</td>
<td>0.15% at 10 watts 0.20% at 15 watts 0.40% up to 30 watts</td>
</tr>
<tr>
<td>Frequency response</td>
<td>±1 db, 15 cps to 35 kc; down to -3 db at 11 cps and 49 kc</td>
</tr>
<tr>
<td>RIAA characteristic</td>
<td>±1.5 db, 20 cps to 20 kc</td>
</tr>
<tr>
<td>NAB (tape head playback)</td>
<td>characteristic ±1 db, 40 cps to 20 kc; down to -5 db at 20 cps</td>
</tr>
<tr>
<td>Damping factor</td>
<td>5.3</td>
</tr>
<tr>
<td>Sensitivity, various inputs</td>
<td>phone, 1.52 mv tape head, 2.1 mv aux, 364 mv monitor, 340 mv</td>
</tr>
<tr>
<td>S/N ratio, various inputs</td>
<td>phone, 57 db tape head, 46.5 db aux, 72 db monitor, 72 db</td>
</tr>
</tbody>
</table>
Dynakit Stereo-35

Basic Amplifier


COMMENT: The new Stereo-35 is one of the smallest, simplest amplifiers yet encountered, and also one of the most reliable and clean-performing. Although its power output places it in the "low-to-medium" class of amplifiers, its smooth response, low distortion, and stability under varying loads make it suitable for use with all but the very lowest efficiency speakers in very large rooms. It has no controls or preamplification-equalization circuits and so must be used with an external preamp-control unit, or with a program source that has its own level controls, such as a tuner or tape recorder on playback. The Stereo-35 does not even have an AC power switch, and so must be turned off and on by whatever other equipment it is connected to. Speaker taps are provided for 8- and 16-ohm speakers on each channel: no 4-ohm taps are furnished.

Results of tests of a kit-built Stereo-35 conducted at United States Testing Company, Inc., indicate that high quality has been achieved with a disarmingly simple circuit design. Each channel uses only three tubes, and the power supply is built around two silicon diodes. With these relatively sparse innards, the Stereo-35 is able to produce surprisingly wide response with very low distortion. Its sensitivity is well suited to all preamps and tuners; its signal-to-noise ratio is very favorable at 82 db; and its damping factor of 10 indicates good control of most speakers. The amplifier remained stable under all conditions of loading and would be suitable for driving electrostats. The square-wave response, for an amplifier of this size and price, was outstanding both at 50 cps and at 10 kc. All told, the Stereo-35 is a very worthy product for the budget-minded listener who is building a compact, but high-quality, music system.

How It Went Together

The Stereo-35 proved to be the fastest and easiest amplifier kit yet encountered. No ambiguities or errors were found in the instructions, and no adjustments were required after wiring and assembly. When completed, the unit simply worked—beautifully.

Dynakit Stereo-35 Basic Amplifier

Lab Test Data

<table>
<thead>
<tr>
<th>Performance characteristic</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power output</td>
<td></td>
</tr>
<tr>
<td>individual channels</td>
<td></td>
</tr>
<tr>
<td>(8-ohm load)</td>
<td></td>
</tr>
<tr>
<td>left; 1 kc clipping point</td>
<td>17.1 watts with 0.08% THD</td>
</tr>
<tr>
<td>left; 1% THD (rated dist.)</td>
<td>18 watts</td>
</tr>
<tr>
<td>right; 1 kc clipping point</td>
<td>17.1 watts with 0.08% THD</td>
</tr>
<tr>
<td>right; 1% THD (rated dist.)</td>
<td>18 watts</td>
</tr>
<tr>
<td>both chs operating together</td>
<td>14.6 watts with 1.1% THD</td>
</tr>
<tr>
<td>left; 1 kc clipping point</td>
<td>14.3 watts with 1.3% THD</td>
</tr>
<tr>
<td>right; 1 kc clipping point</td>
<td></td>
</tr>
<tr>
<td>Power bandwidth, constant</td>
<td>14 cps to 38 kc</td>
</tr>
<tr>
<td>1% THD</td>
<td></td>
</tr>
<tr>
<td>Harmonic distortion</td>
<td></td>
</tr>
<tr>
<td>left ch; 17.1 watts output</td>
<td>less than 1%, 23 cps to 18 kc</td>
</tr>
<tr>
<td>left ch; 8.5 watts output</td>
<td>less than 0.55%, 20 cps to 20 kc</td>
</tr>
<tr>
<td>IM distortion</td>
<td>less than 0.5% to 17.5 w</td>
</tr>
<tr>
<td>Frequency response</td>
<td>+0.0 to -1 dB, 8 cps to 34 kc; down to -3 dB at 49 kc</td>
</tr>
<tr>
<td>Damping factor</td>
<td>10</td>
</tr>
<tr>
<td>Sensitivity for full output</td>
<td>0.97 volt</td>
</tr>
<tr>
<td>S/N ratio</td>
<td>82 db</td>
</tr>
</tbody>
</table>
Jensen Model TF-4 and Model X-11 Speaker Systems


COMMENT: In the TF-4, Jensen's approach to full-range reproduction within compact dimensions is to use a modified air suspension system and split the audio spectrum among five drivers, two of which cover the same range, in a four-way system. The technique involves the use of a high-compliance, or "long-throw" 10-inch woofer for the bass response, which is aided by a ducted port on the front baffle. A dividing network feeds frequencies from 600 cps to 4 kc to an 8-inch midrange unit. Tones from 4 kc to 9 kc are handled by a pair of 3 1/4-inch tweeters, while the range above 9 kc is fed to a Model E-10 "ultratweeter" which uses a plastic domelike diaphragm to disperse the highest overtones. The network has a level control that adjusts the relative volume of frequencies above 4 kc. All five drivers and the network are housed in the integral enclosure and the system acts as a direct radiator. Input impedance is 8 ohms; screw terminals are marked for polarity.

The response of the TF-4 was estimated to extend from just above 30 cps to beyond audibility, with relatively few irregularities along the way. At normal listening levels, driven by a 25-watt amplifier, the bass showed signs of a gentle rolloff from about 45 cps and seemed to disappear at 34 cps. However, by raising the volume just the least bit, the roll-off tendency could be lessened, and the bass did respond to an indeterminate lower frequency. Driving the system a little "harder" could produce a response near to 20 cps, but with noticeable distortion and frequency doubling. The upper bass and midrange were satisfactorily smooth, except for a slight "brightening" at about 600 cps. With the high-frequency balance control turned to minimum, the system responded to about 11 kc; with this control turned to full, response continued to beyond audibility. Directivity was very moderate, and the highest tones could be heard fairly well off the nominal axis of the system. White noise response was generally smooth, indicating very little undesirable coloration effects.

The TF-4, reproducing program material, gave a good account of itself. Transient response was crisp, the bass had impact, and the midrange and highs sounded well balanced and clean. The over-all acoustic presentation was somewhat "airy" with one TF-4 used monophonically, and amply spread out between a pair on stereo. The TF-4 is moderately efficient as speakers go, and will develop adequately loud sound levels with amplifiers rated from 10 to 25 watts. We tried it on a 40-watt unit and found that ample listening levels in a rather large room were reached with the volume control set between the "10 and 11 o'clock" positions. The TF-4 is only 8 1/2 inches deep and is nominally designed for positioning horizontally on a narrow shelf, although our experience indicates that it can be placed virtually anywhere—and in the vertical position too—for well-balanced, clean, full-range reproduction.

If the performance of the TF-4 is very creditable, the sound of the tiny X-11 is, for its size and price, astonishing. A five-inch woofer and a three-inch tweeter are housed, with crossover network, in a completely sealed, oiled walnut enclosure to produce musical response over most of the audio range. The bass began rolling off at about 70 cps and dropped markedly just above 50 cps. With the rising distortion attendant on driving any speaker "harder," the X-11 could be made to respond to test tones in the 30-cps region, incredible though this seems. Peaks were observed at 280 cps, 300 cps, and at 1 kc; and some distortion was heard at the 2-ke crossover point. The response rose slightly at 11 kc, then rolled off to beyond audibility. The X-11 was moderately directive at 2 kc, slightly more so at 5 kc, but not any more so at 10 kc. White noise response was surprisingly smooth. Obviously, the X-11 is not intended to project all the bass, or to provide the utmost in sonic transparency; however, for less critical use as an extension speaker, or for a "personal" music system in a small area, it represents good value vis-à-vis size and cost.

REPORTS IN PROGRESS

Fisher 500-C Tuner/Amplifier
Leak Preamp and Power Amplifier
NOW THERE ARE TWO GREAT TAPES TO CAPTURE SOUND BRILLIANTLY

Two new magnetic tapes from Kodak—both with high-performance oxide layer that gives a new richness and brilliance to your recorded sound.

With new bases and oxide layer, KODAK Sound Recording Tape becomes a new standard of tape quality:

**Two new bases.** DUROL Base for Kodak tape is a new triacetate that is 40% stronger, yet breaks clean in case of accident. It permits splicing a break without loss of recorded sound. Kodak tape on 1½-mil DUROL Base can be your standard of tape excellence. For 50% longer play choose the 1-mil thickness. To double the recording time, get KODAK Sound Recording Tape on ½-mil Polyester Base.

**New oxide layer.** Kodak emulsion scientists have found a better way to disperse the recording oxide in a new, tougher resin binder. Result: a smoother oxide surface which reduces residual noise and recorder head wear, increases high-frequency response.

Exclusive backprinting. Kodak tapes are printed on the base side with our company name and manufacturing control number as your assurance of high quality.

KODAK Thread-Easy Reel. Simply pull tape through the slot—it’s loaded! Timesaving splicing jigs and index scales are on both sides of reel. Try all-new KODAK Sound Recording Tape soon. At your Kodak dealer’s now!

Remember: You get each 7-inch roll of Kodak tape on the popular KODAK Thread-Easy Reel.
Corelli is by turn exultant, despairing, dashing and menacing. He wears many faces, carries many roles. But above all he is Corelli—the artist and the man—captured in his many moods and roles at the peak of brilliance on Angel records.

There is the boy who listened to tales of Enrico Caruso and other great voices that first echoed in the hills of his native Italy. There is the youthful Corelli who astounded critics with his sparkling debut in Spoleto in 1952...and in 1954 opened the season at La Scala.

Corelli on Angel records...I Pagliacci (S) 3618 B/L; Operatic Arias from Turandot, Manon Lescaut, I Puritani, Tosca and others (S) 35918; Cavalleria Rusticana (S) 3632 B/L; Norma (S) 3615 C/L; Neapolitan Songs, volume I (S) 35852, volume II (S) 36126; for release in 1964: Andrea Chénier.

There is Corelli, the master tenor, whose electrifying 1958 American debut at the Met drew some of the most lavish praise ever bestowed by the press.

THERE IS ONLY ONE
FRANCO CORELLI

as Julius Caesar

as Calaf in Turandot

as Don José in Carmen

as Andrea Chénier

CIRCLE 8 ON READER-SERVICE CARD
by Eric Salzman

A Samson from Handel...

One of the great oratorios of Handel's maturity, *Samson* was written in 1741 and first performed, in a somewhat revised version, two years later. The work derives, rather remotely, from Milton's *Samson Agonistes*, and it is rather touching to remember that the composer of this epic of a blind hero, based on the verse drama of a blind poet, himself lost his sight only a few years later.

The libretto, arranged by a certain Newburgh Hamilton, managers, however, to reduce the Biblical and Miltonian epic to a kind of English Choral Festival Competition between the supporters of Jehovah and the adherents of great Dagon, apparently the local music director of the Philistine Choral Society. Any echoes of Milton still remaining in the verse are effectively stamped out by such poetic marvels as: "But who is this that so bedecked and gay/Comes this way sailing like a stately ship?/"Tis Delilah, thy wife": or "To man God's universal law/Gave power to keep the wife in awe./Thus shall his life be ne'er disdained/By female usurpation swayed" (the latter the subject of a big Handelian contrapuntal choral treatment!).

Never mind. Handel's musical and dramatic conception makes up for all, and it is certainly Miltonian in its scope and power. *Samson* is one of those works in which Handel was adapting the forms of the old *opera seria* to the requirements of a religious-choral tradition and the dramatic impulse of the "modern" Italian style. There are, for example, few *da capo* arias; the "modern" types of motto and unison arias are common, and the new homophonic preclassical style of the elder Scarlatti and his Neapolitan successors is often suggested. The general shape of these arias often pivots around some kind of dramatic arrangement. The best example of this is the most famous: *Samson*'s beautifully expressive "Total eclipse." But this is also true of the hero's first big aria, "Torments alas," with its impressive largo and *staccato* accompaniment, of Manoah's first aria with its unusual fast-slow format, and even of Samson's big display aria "Why does the God of Israel sleep?" The use of the chorus in the repeats of the middle and first sections of Micah's aria "Return, O Gods of Hosts" (a dramatic extension of the *da capo* idea)...

Delilah's melting unaccompanied phrases and the way they are extended in a ravishing duet and chorus... the A major duet between Samson and Delilah and the A minor duet between Samson and Harapha... the big double chorus at the end of the second act... the rushing, pleading chorus of the Israelites "With thunder arm'd"... the solo and chorus of the celebrating Philistines... the instrumental "sinfonia" depicting the fall of the temple and the transformation of that section into a pathetic chorus of the dying Philistines... the dead march and the various intertwined solo choruses and choral laments and celebrations at the end—all of these conceptions are, in origin, dramatic and theatrical. That final section—with the solemn procession, the catafalque strewn with flowers, laurel, and bay, the bright seraphim above streaming up to heaven blowing on their trumpet—is like a great baroque funeral monument patterned on some grand tableau complete with perspective and machinery.

Abravanel and his Utah forces continue to produce exceptional recordings of the most varied sort of music, and
this one, like the others, is well done. The star of the show, for me, is Phyllis Curtin. She starts off singing well and gets better and better. Her wonderful cooing love song "With Plaintive Notes" (and shakes and divers ornaments as well) is exquisite. She is almost always pure and true, and, as the work goes on, her expressive projection seems to get stronger. Peerce too is certainly impressive, although as Samson he is too Jan Peercean to come across as anyone but himself. Samuelson is a resonant and powerful Manoah whose singing is very musical; Smith's contribution is almost of the same quality. Louise Parker, the other principal, sings very beautifully but lacks something in the way of incisiveness; vocal phrasing in this music needs some quality of crisp attack to get it flowing properly.

Abravanel makes a favorable impression as a baroque stylist; he has his orchestra playing extremely well and in character too. As for the chorus, its tone quality and expressive projection lack a Handelian tone and measure, but it deserves to be commended for singing very accurately and in tune. A few small stylistic complaints: the organ and harpsichord continuo, though properly prominent, is a little too constrained in character; there is some inhibition on everybody's part about ornamentation; and more incisiveness would have been welcome (more vigorous instrumental and vocal attacks, double-dotting, etc.).

I am not conversant with the problem of editions in connection with Samson (there are always problems of editions in Handel), but Abravanel seems to have used a good, practical, workable version based on early sources. There are some considerable cuts: eight or nine arias (depending on which edition you go by), and big chunks of recitative (the latter, by the way, justified at least in part by early sources but productive nonetheless of some strange harmonic switches). The recorded sound is notable for its emphasis on separation. There is a lot of reverberation in the sound but never so much as to obscure essential matters: however, in the lingering reverberation of the organ, sound sometimes seems to bounce back somewhat flat—an odd and disturbing effect that mars a couple of spots. But small flaws notwithstanding, it is indeed a pleasure to welcome not only a Samson into the catalogue but one well worth having.

**HANDEL: Samson**

Phyllis Curtin (s), Delilah, Philistines and Israelite Women: Jean Preston (s), A Maiden; Louise Parker (c), Micah: Jan Peerce (t), Samson; Kenley Whitehead (t), A Messenger; Roy Samuelson (b), Manoah; Malcolm Smith (bs), Harapha. Alexander Schreiner, organ and harpsichord. University of Utah Symphonic Chorale and Utah Symphony Orchestra, Maurice Abravanel, cond.

- **VANGUARD BG 648/50.** Three LP. $14.94.
- **VANGUARD BGS 5060/62.** Three SD. $17.94.

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**by Conrad L. Osborne**

... and a Samson from Saint-Saëns

_The Samson of Camille Saint-Saëns has a good many things going against it. One is a rather peculiar dramatic construction, whereby the first act is devoted almost exclusively to a series of choruses, the second to arias and dialogues, and the third to ballet. Another is the improbability of an adequate stage representation, especially in the final tableau—everything points to Samson's destruction of the temple (a dramatic idea), but in the theatre this can hardly be accomplished except by means of a mere blackout or, worse, a half-hearted tugging apart of a couple of flats and platforms. And there is also the unfortunate fact, faced by other operatic composers, that the representatives of iniquity and decadence emerge, in the music, in a decidedly more attractive light than the nominal upholders of morality. The worship of Dagon certainly seems like a fun business, and the Philistines: a much healthier lot than the humorless mumbling Hebrews._

But there is much to admire in both the drama and the music of Samson (if one can, for purposes of discussion, separate them). The first act, where the opera's initial conception as an oratorio especially shows through, is undoubtedly the weakest of the three: chorus follows chorus, and the formal organization of the numbers is rather too obvious. Moreover, the invention flags from time to time; unless the performance is galvanic, an air of futility is likely to invade the thudding rhythms of "Israël, romps ta chanter" and even the proclamatory "Arrêtez, ô mes frères," fine as this is. On the other hand, the opening chorus, theoretically sung before the rise of the curtain, is imposing and beautiful, as well as being a fine piece of mood setting and a very polished example of formal choral craftsmanship. And the plainsong-derived chorus for the Hebrew old men ("Hymne de joie, hymne de délitérance") is a simple, striking inspiration. With all this somewhat too lengthyly developed setting out of the way (and it can be saved, in the theatre, by outstanding performance), the first act moves on to a startling and effective contrast: the entrance of Dalila and the chorus of Philistine women, with the accompanying sensuous opening out of the music. Then comes the trio "Je viens célebrer la victoire" (so memorably recorded by Homer, Caruso, and Jourdet); the brief dance, badly needed to relieve the static impression of the first half-hour; and finally the ravishing contralto aria "Printemps qui commence."

The second act is splendiferous, opening with that superb example of the French grand aria, "Amour, viens aider ma faiblesse"; continuing with the strongly written scene between the High Priest and Dalila (the High Priest's air "La victoire facile" is particularly good, though the duet "Il faut, pour assouvir ma haine" falls to a fairly trite level); and then the long scene between Samson and Dalila. From Dalila's "Mon cœur s'ouvre à ta voix" forward, this is surely as fine a piece of sustained writing as French opera can boast, with Samson's weakening determination, Dalila's intensifying urging, and the flashes of the approaching storm all woven neatly into the full-blooded, large-scale writing. Indeed, this act, with its focus on the personal drama of the central figures and its very compact setting forth of the conflicts, is a masterpiece of operatic writing.

**Gorr: "the grand lieu."**

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HIGH FIDELITY MAGAZINE
The tableau of Samson, blinded at the huge millstone, is an extremely moving one if the tenor is at all adequate as an artist, and most of the writing for the final scene is tremendously good fun (even if the Bacchanale has been rendered more hackneyed than Salome’s Dance by the uses to which Hollywood has put it).

The work is, then, an interesting score, matched to a libretto that except for the first half of the first act accomplishes its functions cleanly and sharply with a minimum of waste motion. And the whole has a distinctive atmosphere, a flavor which, even after the first hearing, is remembered as belonging to Samson and to no other opera.

Its performance history of late has not been very happy. The opera seems almost totally dead in Europe, outside of France; at the Metropolitan it staggered through the Forties and Fifties, propped up by Riës Stevens and a succession of tenors—Maison, Vinay, Del Monaco. San Francisco and Chicago have seen it off and on since the Thirties. On records there has been only one complete version, dating back to 1946 (it featured Hélène Bouvier and José Lucciioni, and has been long unavailable). There are two discs of excerpts, both Victor, both with Stevens, one with Peerce and the other with Del Monaco.

The new Angel recording is then, the first complete edition technically up-to-date in stereo. Fortunately, it is, by and large, a satisfying performance. The acoustics are not unusually spacious or colorful—which is a bit of a shame, since the opening choruses could make considerable impact if the stereo sound were up to the very top level. On the other hand, it is a relief to find that Angel has not gone in for extraneous sound effects, and the sound is always clear and kind to the music (the triangle, for instance, sounds like a musical instrument, and not a percussive toy).

The singing might gain from a trace more of the fires of passion. This is particularly true of Vickers, and especially with the opening address. Vickers is not what we call a “line” singer in the Italian sense; yet he isn’t a vigorous declamator of spontaneity, an interesting, thoughtful, and sometimes frustrating vocalist who suffers even more than most good artists when his singing is removed from the context of a total live performance. Here, most of his second-act work is musical and appealing, “Vois ma misère” honest and affecting. But there is not much ring, not much punch; he sounds most of the time as if he is concerned with saving his voice, with placing individual notes in their places. It is too thoughtful, too premeditated-sounding. But it is also sensitive and intelligent, and never stiff or steely.

Gorr is probably the only mezzo now active capable of taking the part of Dalila in hand and satisfying all the vocal requirements. Most of the music lies rather low—it is a contralto tessitura, not a mezzo one—and she has the easy fullness and sure legato called for. She also has the really secure, solid high B flat needed for the sudden cry of “Lâche!” in Act II, and a sure stylistic command. A bit more warmth and seductiveness would not be misplaced, but her Dalila has the grand line. Blanc sings easily and beautifully—possibly his singing is almost too easy, or in any case not quite incisive enough. I miss some of the bite and very theatrical declamation of the text that Singhér used to bring to this role at the Met. Still, here is a round, big voice, well used. Diakov is fine, but why could a second bass not have been found to avoid doubling in these roles? Variety is needed in Act I in any case, and Diakov has a distinctive enough Slav-tinted timbre to make him recognizable.

The orchestral work is polished, and the chorus, happily, much above average; in fact, I do not remember hearing the choral sections this well done. I also like Prêtre’s leadership—onecentric and controlled but vigorous and alive.

It is good to hear large, convincingly applied voices applied to French opera again. The basic reason for the species’ latter-day unpopularity is the absence of French singers of international caliper, plus the failure of foreign singers to take up the slack as they have in the Italian repertory. (This is not just a question of voice, or even of musical and linguistic accomplishments. It is a matter of conviction—it has been years since we have heard singers sink their teeth into French opera as if they believed in it and felt compelled to express themselves through it.) Even in this recording—possibly because it is a recording, studio-bred and control-room-bred—there is sometimes not the fire, the urgency that separates the good performance from the inspired one. But it’s an accomplished production, nonetheless, more than capable of restoring our faith in a work rapidly becoming unfamiliar to a whole generation of operagoers.

SAINT-SAËNS: SAMSON ET DALILA

Rita Gorr (ms), Dalila; Jon Vickers (t), Samson; Rémy Corazzo (t), Messenger; Jacques Potier (t), First Philistine; Ernest Blanc (b), The High Priest of Dagon; Anton Diakov (bs), Abimelech and An Old Hebrew; Jean-Pierre Hurteau (bs), Second Philistine. Choœurs René Ducros, Orchestre du Théâtre National de l’Opéra, Georges Prêtre, cond.

* ANGEL 3639. Three LP. $14.94.
* ANGEL S 3639. Three SD. $17.94.

by John S. Wilson

For Bach—a Bacchanal in Swing

SUDDENLY, in France, there has occurred a rage to swing Bach. Now evidence of this bacchanal turns up on this side of the Atlantic in recordings which offer both instrumental versions, by the Jacques Loussier Trio, and vocal treatments, by the Swing Singers.

Possibly because in its natural state Bach’s music tends to swing (in the jazzman’s sense), there has for years been an urge on the part of musicians interested in Jazz to make the singing a little more explicit. Back in the Thirties there was Alec Templeton’s Bach Goes to Town as played by Benny Goodman’s orchestra, and the New Friends of Rhythm were trying out similar things about the same time. Later, George Shearing included in his repertory a number of Bachian riffs which bore such titles as Pardon My Bach. And although the Modern Jazz Quartet has never made as open a declaration of its debt to Bach, many of its fuge-based arrangements are distinct modern descendants of Johann Sebastian.

The Modern Jazz Quartet, in fact, comes to mind again and again as one listens to the three discs by the Jacques Loussier Trio (Loussier, piano, Pierre Michelot, bass, and Christian Garros, drums). Loussier plays two long works —Partita No. 1 and the Italian Concerto—and a variety of Preludes, Fugues, and Two-Part Inventions not simply as piano-with-rhythm-accompaniment performances but in arrangements in which Michelot’s bass and his own piano are, much of the time, playing complementary lines with subtle coloring accents from the emergency side equipment. (The taste and imagination in Garros’ use of a brushed cymbal, a triangle, and even a tambourine are a consistent joy.) Only when Loussier moves into flat-footed 4/4 passages is Michelot apt to retire to a rhythm role.

It is part of Loussier’s ingenuity in

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developing his performances that he is restricted neither by the traditions of jazz nor the traditions of Bach but uses and blends them with a painter’s skilful eye for color. And it is in some of these melanges that one hears reflections of the Modern Jazz Quartet, while, on occasion, his piano phrasing directly parodies that of John Lewis, the Quartet’s pianist.

Far from being a quickly palling gimmick, this is delightful music—complimentary both to Bach and to jazz and, particularly, to the perceptive talents of Jacques Loussier. Even so, three full LPs may be too much of a feast; if you’re dubious about acquiring the whole set, I’d suggest trying Volume 1 as a sample inasmuch as this disc is made up entirely of short pieces.

Ward Swingle’s French singers have approached the Bach repertory in terms of scat singing over a four-beat rhythm set by string bass and drums. It’s an amusing idea—and since these are singers who not only can really sing but who also know the scat singing idiom, it is carried off extremely well. Still, once the lark has been enjoyed, the constant recourse to a language consisting of “dabba-dabba-dah,” “dooby-do,” “bum-pah-dah,” and “do-do-do” becomes monotonous. In fact, one finds it refreshing when these syllables occasionally give way to plain old humming or unverbalized vocalizing—though, being beyond the normal realm of the scat singer, this amounts, in the present context, to downright cheating.

JACQUES LOUSSIER TRIO: “Play Bach Jazz,” Vols. 1-3

Jacques Loussier Trio.
- London LL 3287/89. Three LP. $3.98 each.
- *London PS 287/89. Three SD. $4.98 each.

SWINGLE SINGERS: “Bach’s Greatest Hits”

Swingle Singers.
- *Phillips 200097. LP. $3.98.
- *Phillips 600097. SD. $4.98.

Ward Swingle, of the Swingle Singers.
THE JOY OF BEING ISAAC STERN

He brings the same enthusiasm to an impromptu recital for his children as to the concert stage. To a Brahms sonata or a discussion of politics or baseball. To reviving a neglected concerto or preserving Carnegie Hall. His exuberance and warmth are as distinctive in his music as in his personality.

He is the total musician. One critic described his playing like this: "Violinism that has everything—stupendous technique, infinite variety of tone, limitless dynamics and the intellect to apply them...architecture with a brain, with a heart."

His performances of the great violin masterpieces are universally acclaimed. Now hear his mastery bring new meaning to such favorite melodies as "Greensleeves" and "Clair de Lune" in his newest album, None But the Lonely Heart.

ISAAC STERN ON COLUMBIA MASTERWORKS

DON HUNSTEIN
as the duet with choral which forms the musical setting of the arrest of Jesus, are given a deeply effective expression, realized out of the music itself.

Of the vocalists, Delle Addison and Betty Allen are superb. Both produce a rich and expressive sound and use it for dramatic and poetical musical purposes. Among the many Breves, very fine and Wilemann (the Jesus) is sonorous and impressive. Bell's voice has a characteristic husk but his singing is clear in a bassoon-sort of way. Lloyd, singing the Evangelist, is the weakest of the principals; in his desire to be dramatic he often loses the flow and producing a tight throbbing sound which is sometimes off pitch center.

The various instrumental soloists, mostly fine, do not always play beautifully, and the orchestra itself is in good form. The choral singing is exceptional. These singers are not merely accurate and disciplined; they are capable of producing an enormous range of expressive sounds and lines ranging from the supersweet (almost unctuous) to the most intense. The sense of line and phrase is extraordinary; contrapuntal lines are strong and clear, balances are fine, and the sound quality is always remarkable. The recorded sound is on the fat side but still clear. A bonus comes with the album in the form of a little extra disc containing a brief duet on a conversation by Mr. Stein. For someone who already knows the work, this will not be much of an extra and, apart from everything else, some of the vocal soloistic implications of the talk are hair-raising. But at any rate, the record provides quite a clear exposition of Bernstein's conception of the work as a big dramatic statement.

E.S.

BACH: Organ Works


Helmut Walcha, organ.
- Archive ARC 3204/05. Two LP. $5.98 each.
- Archive ARC 73204/05. Two SD. $6.98 each.

One of the most impressive achievements in the Archive catalogue, which now numbers more than two hundred discs, has been its series of eighteen records containing most of Bach's organ music performed by Walcha on one or another of the two baroque organs in North Germany. Those recordings were made between 1947 and 1952. Apparently, Archive felt it was time to start a new series with a stereo version. ARC 3204 (or 73204) contains S. 565, S. 540, S. 538, and S. 564; on 3205 (or 73205) are S. 572, S. 562, S. 542, S. 537, and S. 582. All were played on the fine old organ in St. Lawrence's at Alkmaar in the Netherlands. Most of the pieces were recorded in 1962, but the Toccatas in D flat major and C major are dated 1956 (these last, then, may not be true stereo recordings).

The present performances do not seem drastically different from the older ones. Walcha is still dependable, intelligent, and musical; he may not be the most brilliant of the most recent ones, but he has a big technique (his pedaling in the difficult heel-and-toe solos of the Toccatas in C is unerring), he can maintain momentum over long stretches, he has a good sense of color without being knob-happy, and his tempos most of the time are convincing. Miscalculations are rare. The only ones here occur in the G minor Fantasia, where a dramatic figure in the middle register does not come through clearly, and in its Fugue, where the pedal stops chosen do not have sufficient presence. But by and large these are distinguished and eloquent readings which are very well. The sound is of course more true to these stereo versions than in the older recordings, and these are pressed at the proper pitch (the older recordings of S. 540 and 538 are about three-quarters of an octave too high).

N.B.

BACH, JOHANN CHRISTIAN: Duets for Two Performers on One Harpsichord, Op. 18: No. 5, in A; No. 6, in F

†Bach, J. S.: Concerto for Two Harpsichords and Strings, in C, S. 1061
†Bach, W. F.: Concerto for Two Harpsichords

Rafael Puyana, Genoveva Galvez, harpsichords; Clarion Concerts Orchestra. Newell Jenkins, cond.
- Mercury SR 50322. LP. $4.98.
- Mercury SR 90322. SD. $5.98.

Trust Mr. Puyana to stay off the beaten track. As in his solo appearances on disc, he has taken pains here to seek out worthwhile material which is particularly well suited to the four-hand duet in F is orchestral in scope and style; the one in A has an engaging, easygoing melodiousness. One suspects that they would sound even better on a piano, for which they were more likely intended. Wilhelm Friedemann's Concerto is curiously and formally, relatively free of the subjective traits that color some of this composer's works. The playing is excellent much of the time, but in the second movement of John Christian's Op. 18, No. 6 it could have a little more grace, and the first movement of Father Bach's Concerto is made to sound rather pedestrian. The stereo is particularly effective in this last-named work, where the two harpsichords are well separated, but the miking seems a bit too close to the small organ. The order of the works on the A side is as given on the sleeve, not as printed on the label.

N.B.

BACH, WILHELM FRIEDEMANN: Concerto for Two Harpsichords—See Bach, Johann Christian: Duets for Two Performers on One Harpsichord, Op. 18.


Columbia Symphony, Bruno Walter, cond.
- Columbia ML 5887. LP. $4.98.
- Columbia MS 6487. SD. $5.98.

It is obvious that even when Bruno Walter was well into his eighties, some recording sessions found him with the vigor and drive of a man a half century his junior. Such was the case when he taped these two Beethoven performances, which for me rank among his supreme achievements with that orchestra. There is fire in them, and the wisdom of one of the greatest of theatre conductors. This Coriolan does not subordinate the second overture to the first, and yet there is a harmonic drive that is fascinating. There is dramatic contrast, and the final effect is the more intense for it.

The second Leonore overture is a problem for many conductors primarily because they learn it as a variant of the third in the series and never puzzle out its individual structure. Walter apparently approached it as a new composer; he did not succeed. He has taken pains here to give it a magnificently clear and cogent statement of its problem passages.

Both the Brahms and Wagner have been released before. They are fine performances, worthy of their present company. The recorded sound is particularly good throughout.

R.C.M.

BEETHOVEN: Symphony No. 3, in E flat, Op. 55 ("Eroica")

Pittsburgh Symphony Orchestra, William Steinberg, cond.
- Command CC 11019. LP. $4.98.
- Command CC 11019SD. SD. $5.98.
- Boston Symphony Orchestra, Erich Leinsdorf, cond.
- RCA Victor LM 2644. LP. $4.98.
- RCA Victor LSC 2644. SD. $5.98.
- Berlin Philharmonic Orchestra, Rudolf Kempe, cond.
- Paperback Classics L 9218. LP. $8.19.
- Paperback Classics SL 9218. SD. $2.98.

Happily, here is a case where the most vital performance is also the best recorded. I refer to the Steinberg edition, remarkable for its clean-out registration and unimpeached dynamic range, and played in the spirit of today with a firm, fairly quick pulse and the absence of romantic malarkey.

Both Leinsdorf and Kempe offer variants on the same reading, the familiar Central European approach with considerate breadth and a</p>
To go back to the Steinberg gives a refreshing sense of regaining direct contact with the orchestra.

None of the three sets avoids a break in the slow movement, Steinberg and Leitner being at the samé logical division. The Kempe gives us quite an awkward hiatus. R.C.M.

BEETHOVEN: Symphony No. 6, in F, Op. 68 ("Pastoral")

Chicago Symphony Orchestra, Fritz Reiner, cond.

- RCA VICTOR LM 2614. LP. $4.98.
- RCA VICTOR LMD 2614. LP. $15.00.
- RCA VICTOR LSC 2614. SD. $5.98.
- RCA VICTOR LSCD 2614. SD. $15.00.

Few members of the Chicago Symphony public will forget the grim autumn of 1960 when conductor Fritz Reiner was stricken with sudden and serious illness during the preseason rehearsals. It was not until the next week, on concert day, March 30, 1961, that he appeared before an audience. It was a great evening, and Reiner crowned it with a performance of this symphony.

The recording, made shortly afterwards, has been in RCA's reserve stock, and its release now, soon after the conductor's death last November, makes it a kind of memorial volume. It comes to us in both standard and limited editions, the latter a richly conceived and costly package, but also containing with a strikingly attractive treatment a series of well-selected excerpts from the symphony. The conductor has also added a pair of orchestral concertos which are not touched upon in the text of the present program.

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Reiner departs from convention in two obvious ways. He skips the repeat in the slow movement by way of a double bar which even such dedicated repeat-haters as Bruno Walter customarily observed. In concert we assumed Reiner did the same, but apparently he had other than practical considerations in mind. Further, Reiner allows himself a phrasing and a treatment of a tempi of the extreme and often radical. Whether a given collector will find this handsome piece of record packaging worth the very handsome price is up to him. The real issue is the music.

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Since the day Paganini saw the score in the Harold viola part and told Berlioz that it "wouldn't do," few violins of note have come near the work. Nor, for that matter, have many violin virtuosos within memory cared to be seen in public with instrument traditionally regarded as the fiddle's poor relation. Menuhin is an exception to the rule (he has already recorded one of the solo viola parts in the Brandenburg No. 6), and it is indeed refreshing to find him taking Cinderella to the ball once again (or Harold to the mountains). His version is a worthy addition to the currently available Harold of Primrose (two) and William Lincer, and it is in some ways the most personal of the four. Lincer's has always seemed to me a perfect musician's Harold—articulate, fluid, fairly straightforward, and superbly disciplined; Primrose's, which is in the Royal Philharmonic version with Beecham, is bold and handsome, set forth in beautifully rounded tones which are particularly striking in the ringing high register. Menuhin's is introspective, the most intense of them all, the most emotionally emphatic, and at times somewhat unevenly projected. Menuhin does not sound so good as Primrose in the high passages (though the difference could conceivably lie in the character of the instruments), and he occasionally tends to accent the focal point of a phrase at the expense of the tail end of it, which gets lost in the surrounding orchestral scenery. But the latter idiosyncrasy strikes one not as a fault but simply as a stamp of Menuhin's attitude—"I wouldn't do," which he so often expresses so well.

BIZET: Carmen

Joan Sutherland (s), Micaëla; Georgette Spanelys (s), Frasquita; Regina Resnik (v), Carmen; Yvonne Ferrer, Mercédès; Mario del Monaco (t), Don José; Alfredo Halletti (t), Remendado; Tom Krause, (b), Escamillo; Claude Carol, Morales; Giardino, Dancario; Roberto Geay (bs), Zuniga.

Chorus of the Grand Théâtre (Genève): Orchestre de la Suisse Romande, Thomas Schippers, cond.

- LONDON A 4368. Three LP. $14.94.
- LONDON OSA 1368. Three SD. $17.94.

Two new Carmins, and neither, alas, proves notable. The London set is the more disappointing, since on paper it has such exciting possibilities. It does have this small favor. One is its really luscious stereo sound (I have not heard the mono version). The acoustics are broad, spacious, and rich; instruments are beautifully rendered. The colors and very alive—the horns introducing "Je dis que rien ne m'épouvante" afford an excellent example. And in the usual Ultraphonic recording the balance is perfect, the string sound unhappily is, in the main, Schippers' poor relation. It has great verve and sharpness; orchestral attack is impressively vigorous and accurate. It affords the score's most difficult sections, such as the women's fight in Act I, come off stunningly. There is a tendency to overdo contrast and to whip up a superficial sort of excitement, too—the Act II dance is begun very slowly and finished very fast, the conclusion of the Smuggler's Quatriet is perfectly taken for granted—but it only occasionally interferes with what is otherwise an admirable reading.

Among the soloists' performances, that of Micaëla is the most interesting. Her Rhythm and pitch are more reliable than they have been in most of her recent recordings, and so we have realized that Micaëla, at least, need not be drenched in a sonnolent-sounding moribuzette. Her recitative delivery tries at an offhand lightheartiness and misses (her "oui" sounds unhappily like Olympia's), and her enunciation is not clear or meaningful. But the quality of voice is, as usual, round and lovely, and her mannerisms well enough under control to make her Micaëla a nice accomplishment.

Roberto Geay is in a top-flight Zuniga, and Claude Carol is an admirable Morales. The others? Well, there is much to admire and respect in Resnik's Carmen—the stylistic inflections and the often subtle dramatic instinct, the grasp of what to do with the part to make it effective but not wild, the involvement that enables her to distinguish the worst from the worn-out clichés. Musically, there are many fine moments: the piano opening of the Seguidille, which makes its return in more charged tones an effective contrast rather than a mere repetition; the very smart, careful building of the phrases and "le pas de l'officer," etc.; and many more. But she is not at all in good voice. The tone spreads constantly, tends to settle around the pitch, and becomes unsteady at odd times.
matters. The transition between lower and middle registers is ragged indeed, and results in some precarious moments. And often the low chest tones have a dry, rather old sound. She has sung much better than this, and recently too.

De l'Estroja's voice is heard everywhere around and above the music, sloughing off entire phrases, maintaining a single dynamic level regardless of the score's instructions, and singing some extremely poor French to boot. There is not a legato phrase or a sweet sound from one end of the role to the other; it is, I should say, his worst recorded performance. As for Krause, he is a burly, thick-sounding Escamillo. Unless the sound and Sutherland, plus Renk's approach to the music, will add up to Carmen for you, it's thumbs down.

Vox's entry, taken from an Aix-en-Provence version of 1956, is no world beater either, but is competent in most of its elements and a sensible buy at its Vox Box price. The José is again a stumbling block, for Fiacouri reveals a thin, tight voice of small charm, and pedestrian ideas about phrasing and interpretation. Still, his voice is more flexible, his approach more musical, than Del Monaco's.

Madeira's Carmen has none of the interpretative originality or distinction of Renk's, and has one or two outstanding moments (here is another prima donna with a nerve-pulverizing laugh). It is, though, a good, solid job. I believe I have heard nowhere a singer's voice as steadily and full up and down the scale as it is here. It sounds secure, big, well focused, and she is knowledgeable enough in stylistic terms. Janette Vivaldi, rather nondescript vocally, is nonetheless of approximately the right timbre for the role of Micaela and is quite acceptable in a routine way. The fact that she is French gives her a certain stylistic head start over Sutherland, she is more costly in the frame.

Roux is not a particularly lusty-sounding Escamillo, and seems to find high F the extremity of his range. But he has sure command of the role, and is as right in terms of style as foremosts come. The same might be said of the amply-partized Zuniga (who is the same on both recordings, and more impressive on London's), are markedly superior to London's not so vocally as in terms of making proper, atmospherically right contributions to the general goings-on. Derbau's conducting is lively—it lacks the excitement of Schippers' best moments, but is carefully proportioned, possibly a bit more honest. Vox's sound, mono only, is perfectly listenable. C.L.O.


Mildred Miller, mezzo (in the Rhapsodie and Mahler); Occidental College Choir, Howard Swan, dir. (in the Brahms); Columbia Symphony, Bruno Walter, cond. • COLUMBIA ML 5888. LP. $4.98. • COLUMBIA MS 6488. SD. $5.98.

This is best taken as a sort of ancillary release to Walter's complete editions of the Brahms orchestral music. The readings here are quite broad and lyrical, touched by sentiment, and rhapsodic as the occasion permits. This is not, I think, the strongest side of Brahms's nature, or Walter's, but, granted the approach, it's beautifully done and appropriately recorded. I protest only that the California collegians have trouble projecting the words of a German text.

The Mahler was issued before—in the two-record version of Das Lied von der Erde—but now that set is down to one disc, the new coupling is welcome. It's a performance too good to lose. R.C.M.

BRUCKNER: Symphony No. 7, in E ♯Wagner: Lobengrin: Prelude; Siegfried Idyll

Columbia Symphony, Bruno Walter, cond. • COLUMBIA M2L 290. TWO LP. $9.96. • COLUMBIA M2S 290. TWO SD. $11.96.

If there is to be a Bruckner renaissance, and I think it is possible, it is recordings such as this that will bear much of the responsibility. In Walter's hands the apparent new sequiturs and raveled ends of thought regain some form and direction. Bruckner is made to sing rather than allowed to ramble, and there is no rhetorical elephantiasis to make pretentious what is, of itself, without pretensions. (Walter even denies himself the cymbal smash in the slow movement, feeling that it is not authentic.)

The obvious comparison is with the Klemperer set (which also provides baby Siegfried as the filler). Where Walter searches for song, Klemperer strives for drama. Bruckner the cymbal, plays up the Wagnerian overtones, and brings a craggy monumentality to the outer movements. This is justified, and some listeners may even prefer it. But Walter's way is winning, and I take exception only to the dolcissimo approach to the trio of the scherzo.

The Lobengrin Prelude, which surprisingly enough Walter had never recorded before, is one of his best Wagner performances. It would have profited from a couple of additional violins, but there you are—recording is expensive. A small orchestra appears to have been used in the Siegfried Idyll. It's a good performance, much warmer than Klemperer's but surpassed as an interpretation by the best of Walter's earlier five versions.

The recorded sound is beautiful all around. You may find that an 800-cycle turnover improves the Bruckner. R.C.M.

COPLAND: Concerto for Clarinet and Strings; Old American Songs, Sets I and II

Benny Goodman, clarinet (in the Concerto); William Warfield, baritone (in the Songs); Columbia Symphony Orchestra. Aaron Copland, cond. • COLUMBIA ML 5897. LP. $4.98. • COLUMBIA MS 6497. SD. $5.98.

The Copland Concerto for Clarinet and Strings is interesting not only as a delightful piece of Copland Americana but as a rare and important attempt by the composer to write an extended instrumental work in the style of his popular ballets (most of Copland's big instrumental works employ much weightier materials and manner). From this point of view, the work, in spite of its many felicities, is only partly successful, and

www.americanradiohistory.com
To most critics, musicians and concert-goers, there are two ultimates in chamber music— the late quartets of Beethoven and The Budapest String Quartet. To blend them together is to fashion one of the supreme musical experiences of all time. This new album marks the completion of the Budapest's third recording of the entire 16-quartet cycle. Their second recording was considered superb by critics and cognoscenti. So was their first. "They were the best we knew at the time," wrote High Fidelity. "But it is wonderful to sense how much their performances have gained through the years." Their technique has always been flawless. But there is a depth of understanding in their current reading that was not there before. Heightened insights gleam through the music like dark jewels. And improved recording techniques convey every nuance, every shading, with a fullness and fidelity never before possible.
it is probably not without significance that it has made its biggest impression in the theatre—as the music for Jerome Robbins' ballet *The Pied Piper*. Nevertheless this composition that has not really received its due.

The first movement probably comes off the best. It has the character of a long slow dance, de l'arche, perhaps ultimately perhaps from the Satie *Gymnopédies* but transformed into purest Copland; it is a unified and graceful conception. In this movement the clarinet is used quietly, but unobtrusively but it comes to the fore in the big cadenza which follows and it dominates the second and final movement. The latter is another lively example of Copland America—South as well as North—and is closely related to the ballets. The movement is episodic, distributive, the claire-voix is omnipresent, but Copland's invention in sound and rhythm and his unfailing taste and wit enable him to carry it off in fine fettle.

The work was commissioned by and dedicated to Mr. Goodman, who gives the piece a sense of his own style and projection. His sound in the upper registers (which are constantly exploited in that second movement) is very thin; for this reason especially I recommend the stereo version.

The second movement, *Old American Songs* are based on tunes, hymns, folk songs, and not-quite-folk songs from the early nineteenth century. These are unfamiliar little gems although one of the sets contains an attractive variant of the famous *Golden Vanity* and the other group contains a song quoted in *Appalachian Spring*. The latter, by the way, is a Shaker melody whose text begins with the words "the gift to be simple," a line that is highlighted as a motto for Copland's "American" style.

Copland has worked all this up into simple and delightful art settings, originally written for piano, later scored by the composer himself in a way that sets off and witty comments on the melodic lines. A clever and typical characteristic of the settings is the way they go off beat with the harmonies and rhythmic and instrumental accents in a kind of counterpoint to the melodic phrasing. The effect is wholly delightful. The slow tunes, in spite of their touching simplicity, are a little too naive and sentimental for my taste. (I suppose they have to be properly amused in a nostalgic sort of way to catch the right tone of these things) but the fast numbers—*The Lumberman*, *I Bought Me a Cat*, *Children's Chorus*—are charming. In this, a way, the appeal of this music is like that of American "primitive" art, the folk, folk art and the primitive. It has become so much in demand. The viewpoint is sophisticated; the delights are those of simple joy and uncomplicated sentiment. The performance is excellently done by Edward Downes the Southerner of the songs, and Copland directs his own music with style and humor. Recorded sound throughout is excellent.

**DVORAK:** *Concerto for Piano and Orchestra, in G minor*, Op. 33

Rudolf Firkusny, piano; Vienna State Opera Orchestra, Laszlo Somogyi, cond.
- **WESTMINSTER XWN 19044.** LP. $4.98.
- **WESTMINSTER WST 17044.** SD. $4.98.

As far as American audiences are concerned, this concerto is another example of Firkusny's private property. He has played the work innumerable times, assisted by such luminaries as Sir Thomas Beecham, Guido Cantelli, and George Szell, and he has previously recorded it (for Columbia) under Szell's direction. Indeed, the only other "name" pianist I know of who sociales the piece with any sort of regularity is Sviatoslav Richter, whose splendid performances with Ormandy and Kondrashin were highlights of his American and British tours a few years ago. Just how this splendidly tuneful concerto has missed becoming a "warhorse" is something I shall never be able to understand. To my mind, it is one of the finest, and most immediately accessible, works of this form in the entire romantic literature.

*Its debut in stereo is an auspicious one in every respect. Firkusny's playing is architecturally lucid, technically brilliant, richly expressive. He shares with Richter a preference for incisive, forward-thrusting tempos, though he differs from the Soviet pianist in the area of tonal coloration—for whereas Richter favors a bright, linear sonority with sharply mercurial accentuation, Firkusny is rather less volatile, more refined and "Rahmanian." If his playing is slightly less arresting than Richter's, it could also perhaps be deemed more idiomatic.*

**As is standard practice these days, the Kurz revision of the piano part is utilized in the present recording, though in this instance Firkusny has reverted to Dvořák's original version in a few places. The orchestral forces are smaller, but the Viennese players have greatly expressive style, and they are energetically conducted by Somogyi. Westman's reproduction is brilliant in detail; and though the piano is close to the fore, the balance is exemplary. Stereophony pinpoints the orchestral instruments in a way that the monophonic disc cannot; the latter is beautifully engineered nevertheless.*

H.G.


Czech Philharmonic Orchestra, Zdenek Chalabala, cond.
- **ARTIA ALP 201.** LP. $4.98.
- **ARTIA ALS 7201.** SD. $5.98.


Czech Philharmonic Orchestra, Zdenek Chalabala, cond.
- **ARTIA ALP 202.** LP. $4.98.
- **ARTIA ALS 7200.** SD. $5.98.

For most of his life Dvořák was an advocate of the composition of "absolute Music." He did, it is true, try his hand at opera (with variable success), and some of his earlier compositions do have some programmatic connotations. For the most part, however, his output was confined to symphonies, concertos, quartets, quintets, and the like. Then, suddenly, in 1874, immediately after his return to his native Bohemia, the composer addressed himself to the task of writing descriptive tone poems—and turned out four of them the next year. Together with *The Hero's Song*, written in 1897, they constitute his last orchestral compositions, and indeed, his last major work. There have been many opinions expressed concerning the merits of the Dvořák tone poems. My own is that all of them contain lovely music, but that only *The Golden Spinning Wheel*, the most complex of the four here recorded, can rank alongside such other works in the genre as Smetana's *VIvace* or Strauss's *Don Quixote*. The work literally overflows with irresistible melody and vibrant Czech nationalism, but at the same time the development is splendidly symphonic. One gets the fulfillment at the end that could result only from a masterly compositional skill. *The Water Sprite* comes near to being on the same level save for a less impressive weaving out of its material; it too has a lovely, buoyant dance floor. *The Wood Dove*, on the other hand, is rather static, while *The Midday Witch*, for all its bizarre pictorialism, is a bit too wooden. Indeed, many people who favor this last work above all the others probably do so just because of its peasant-like simplicity.

In composing these works, the way, Dvořák strictly followed the narratives of the poems by J. K. Erben on which the tone poems are based. Despite their pastoral-sounding titles, are fairy tales in the macabre tradition of the Brothers Grimm. In some places Dvořák even went so far as to indicate lines from the text above the musical portrayal. (Where he did so, the music, I fear, suffers.) The composer also relies heavily on cyclic form, Leitmotiv and other formulas of the Litzo-Wagnerian canon. All four of the poems represented here have been recorded before, although none of them recently. Both Václav Talich and Sir Thomas Beecham had a go at *The Golden Spinning Wheel* on 78s, and the Supraphon releases imported here by Artia. As with the previous version, but both had cuts which were originally introduced by Josef Suk, the composer's son-in-law. Chalabala's new
for it is one of Haydn's most thoroughly original works and ought to be known by all who admire baroque music. Blum's performance again confirms the value of such recordings, matching, at moments even surpassing, Max Goberman's version for the Library of Recorded Masterpieces (Cassette series). I commend both, and the work, to your most serious pursuit of fun.

In No. 52, Blum has no American competition; for Ossenkuil-Lyre edition by the Haydn Orchestra under Harry Newstone which may appear here momentarily. Newstone does a better job of placing the Menuetto, but otherwise the two versions are on a level, and Blum's is not to be slighted, particularly since he has been given the better recorded sound. R.C.M.

HAYDN: Symphonies: No. 88, in G; No. 100, in G ("Military")

Columbia Symphony, Bruno Walter, cond.

- COLUMBIA ML 5886. LP. $4.98.
- COLUMBIA MS 6486. SD. $5.98.

Walter was one of the great Haydn conductors of his day, with a sure feeling for the elegance of expression and refinement of line which bring distinction in this line. It is therefore understandable that this is all the Haydn we have from him in stereo, a token legacy where we could have been left riches. But I do not want to appear unappreciative. Both performances are deeply sympathetic and splendidly recorded, easily dominating the current stereo listings. The stress in both cases is on the long line rather than on detail, and the Military is intended as music, not as a "hi-fi" demonstration record. Let us accept this gift gratefully and not think of might-have-beens.

R.C.M.

JANACEK: Sinfonietta; Taras Bulba

Czech Philharmonic Orchestra, Karel Ancerl, cond.

- PARLIAMENT PLP 166. LP. $1.98.
- PARLIAMENT PLPS. 166. SD. $2.98.

Like Dvořák, Smetana, Kodály, and Bartók, the Czech composer Leos Janáček did much to exploit Slavonic music. This disc is one of the most stirring orchestral works. The Sinfonietta, scored for an orchestra with an oversized brass section, is both brilliant and expressive. Taras Bulba, a rhapsody for orchestra in three sections, is a symphonic narrative of the deaths of the sixteenth-century Cossack hero and his two sons. Both works offer a blend of nineteenth- and twentieth-century musical elements, colored by Janáček's love of folk music and brigandage. Ancerl's performances are big and broad, a proper match for the music itself, and except for a few unpolished woodwind passages the orchestra plays well. There is so much hall reverberation, however, that some of the sounds become muddy. P.A.


much of its potential effect. Mars is downright poor, limited of voice and unimaginative of style, with the result that his scene does not come off at all. But the accompaniments tend to spread and loosen, thus sometimes blurring the shape of the melodies, they are satisfactory enough. The sound is good, and there are extensive notes, texts, and translations.

C.L.O.

**MOZART: Symphonies**


Columbia Symphony, Bruno Walter, cond.

- Columbia M3L 291. Three LP. $14.94.
- Columbia M3S 291. Three SD. $17.94.

The product of Walter's final recording schedules, this album provides a comprehensively view of the last six Mozart symphonies as seen by the conductor in the ninth decade of his life. (There is, of course, no Mozart No. 37, the score thus dismissed being, in the greater part, the work of Michael Haydn of Salzburg.) Two of these performances—the first and last symphonies of the group—have been released before. Although the in the completely satisfactory in the set, you may prefer to have them in the alternate one-disc version.

In Officers and their very lyric performances, with temps on the slow side and ravishing, almost sensual beauty, that he wanted to hear under his baton was the breathless wonder of it all.

This quality is uppermost in the recorded sound; and if you are sympathetic to such an approach, you will find the album a total success. If, however, you are still in the midst of life, you may feel that you want more vigorous Mozart, such as Walter gave us in his early recordings. The discography in this issue compares these releases with the conductor's previous versions. Every one of these symphonies is in print in another Walter performance, and some of those surpass the new versions in intensity of expression.

If you set this, then, as a lingering last look at one of the great Mozartian of the day, and enjoy its beauties for their undeniable attraction. But for Bruno Walter's monument, you must not only here but elsewhere. R.C.M.

**SAINT-SAENS: Samson et Dalila**


For a feature review of this recording, see page 66.

**SCHUBERT: Symphony No. 8**

Fou Ts'ong, piano.

- Westminster XWN 19038. LP. $4.98.
- Westminster WST 17038. SD. $5.98.

Fou Ts'ong's account of the great posthumous B flat Sonata exhibits tasteful reverence and a lovely singing tone. Despite some rather fast tempos the pianist appears no compulsion to drive the music vehemently and an appropriate spaciousness is preserved. Indeed, Fou Ts'ong makes the rarely heard repeat in the first movement (thereby permitting one to hear the starkly dynamic and completely original opening theme).

But while the basic musicality of the performance is undeniable, this work has an impassioned power and breath of emotion which is not conveyed.

His most serious failing is a pronounced tendency to loosen contours unduly. In several places throughout this immense sonata Schubert has moments of pregnant silence, occasionally as long as two complete measures. Fou minimizes the impact of these dynamic pauses by spinning out a reticent before he comes to them. This happens at measure 88 in the slow movement and at measures 153 and 427 of the finale, thereby vitiating the effect that the composer so carefully planned: we should, ideally, always feel an active rhythmic pulse continuing in the void. There are also some imperfections in the playing. None of these little inaccuracies would seem, in itself, to be of great moment, but taken collectively they tend to dilute the sense of the composer's work and effectiveness of the interpretation.

Great music, as Artur Schnabel once noted, is always better than it can be played. It is not surprising to discover that all of the available recordings of the B flat Sonata are considerably less than perfect. Schnabel's mono version (COLH 331) only serves to make his famous remark all the more poignant, since it is the one effort in which Schnabel himself put his work. His labors on behalf of such treacherous dotted-note chords in the finale, for example, can only be described as "desperate." If technique hampers Schnabel's reading, it also, remarkably, harms Leon Fleisher's performance (Columbia), but for a very different reason: Fleisher, a devout Schnabelian by training, views the sonata with an outlook expectedly similar to that of the conductor: he is fond of it, but one feels that the very strength of his digital equipment—the knowledge, if you will, that he can handle the pianistic huddles of the work—leaves him disposed to take some of the adventurously and spiritual grandeur away from his otherwise flawless reading. For years now, I have been constantly waffling between the near perfection of the Schnabel and Fleisher. At any rate, both are much to be commended to Fou Ts'ong's lack of impact, Badura-Skoda's primness, Wührer's dry literalism, or Horowitz's hypertension. A new version of the B flat flat is still awaits release (her old one, now withdrawn, was ascetic and probing). I also look forward to hearing the European editions by Adrian Aeschbacher (DGO) and Annie Fischer (HMV).

The A minor Sonata, formerly known as "Op. 143," is a fine little work in its own right. Following on the heels of the stupendous B flat, however, it is completely eclipsed by that score. Fou Ts'ong plays it nimby, with cool objective detachment; although the old version by Solomon had more stylistic elegance.

Piano introduction is superb, despite the very long sides. There is not much difference between the monophonic and stereo pressings, however. H.G.

**SCHUETZ: Weihnachtsbistorie**

Herta Flebbe (s), Angel; Hans-Joachim Roitcz (t), Evangelist; Hans-Olaf Hunden (tc), Christ; Heroldi, etc; instrumental soloists; Westalische Kantorei, Wilhelm Ehmann, cond.

- Cantate 640201. LP. $5.95.
- Cantate 630201. SD. $5.95.

The Christmas Oratorio of Schütz is one of the most notable rediscoveries of this century. Although Schütz printed the recitatives of the first edition, the Christmas Oratorio has been especially praised of them as they were full of Italian techniques new to Germany), it was not until 1908, in Sweden, that the manuscripts numbered were unearthed. What then turned up turned out to be one of the great masterpieces of the seventeenth century. Most fascinating of all, this late work of 1664 proved to be a superb synthesis of German and Italian styles of the early and middle baroque.

Schütz is often said to have fused the old polyphonic style, still widely practiced in the conservative German tradition of his day, with the new baroque homophony and a new kind of declamatory manner, the grand concertante style of the Venetians, often adopting massive instrumental techniques on behalf of exclusively vocal output. But in the Christmas Oratorio there is yet another element—the spirit of the new opera of Venice.

The scheme is very dramatic with an alternating series of recitatives and set numbers, the whole, as in the Passions, framed by choruses. The Angel announces the birth of Christ, the heavenly hosts sing out, the Shepherds and the Wise Men come to find Jesus, the Priests prophesy to Herod, the Angel tells Joseph to flee to Egypt. Perhaps the high points are the three exquisite songs for the Angel, but they are hardly more effective than the other solos, part songs, and choruses. Each section has its own definite character, and every quality of line and chord is set off by the use of characteristic instrumental timbres. All of this superb music is set into a wonderfully plastic recitative obviously derived from the Italian opera, but with a hallmark of its own distinctive description. It cannot fail to convey its charm, grace, and poetry.

This recording is really a model of its kind, a work made by a conductor. The instruments are old, correct, and played so that not only are they in tune (a thing in itself not always to be taken for granted) but that they also sound out beautifully and sensitively. Vocally, the soloists are by no means remarkable if judged by ordinary standards of quality and projection. But their clear, focused voices assimilate remarkably well with the instrumental approach; indeed this is the old, pure, sweet instrumental style of singing and works marvelously well here. E.S.

**SCHUMAN: Symphony No. 8**

+Barber: Andromache's Farewell, Op. 39


- Columbia ML 5912. LP. $4.98.
- Columbia MS 6512. SD. $5.98.

These two works were commissioned by the New York Philharmonic to celebrate
the opening of Philharmonic Hall in Lincoln Center in September of 1962. Since William Schuman is also director of Lincoln Center, he had it coming and going, as it were, and many persons who expected the ceremonial piece which he had been asked to write for the occasion to be a brilliant and festive affair. In fact, his Symphony No. 8 turns out to be one of the most sober, profound, monumental, and moving symphonies composed in recent years. Following none of the academicisms of contemporary music, this work is, like most of Schuman's music, ingeniously complex, and moving, and made a deep impression on the audience. The kinetic vehemence and delicate orchestral texture, the surging energy and the beautiful structure of the work appear to be the work of a master musician who has such control notwithstanding, and certainly is, of course, a tribute to the performing musicians, as is the magnificent abundance of detail. These virtues, nevertheless, could never emerge with such immediacy were not Mercury's engineering outstandingly good. The sound has phenomenal presence and warmth. Place this disc on your turntable and you are magically transported to an ideally spacious concert hall.

H.G.

VERDI: Aida (excerpts)

Birgit Nilsson (s), Aida; Grace Hoff-
man (ms), Amneris; Luigi Ottolini (t), Radames; Louis Quilito (b), Amnerus, Covert Garden Orchestra, John Prit-
chard, cond.
- LONDON 3798. LD. $4.98.
- LONDON OS 25798. SD. $5.98.

The release of this record is timed to coincide with the Metropolitan's new production of Aida, starring Miss Nilsson. It gathers the principal soprano excerpts—the two great arias, the scene with Amneris, the Nile Scene duets, and the final scene—and will answer the needs of those who wish to supplement the complete recordings with the Nilsson singing of the title role. As a highlights version of the opera, the recital is less than satisfactory, since it concentrates so heavily on the soprano scenes. Nilsson's voice easily encompasses the music, and there are points where the ease and balance of her voice make for stunning effects in passages usually prone to squalliness or gushiness. Certainly the piano ending of "O patria mia" is most beautiful, and there are other fine moments. But vocal beauty, power, and control notwithstanding, Miss Nils-

SCHUMANN: Concerto for Cello and Orchestra, in A minor, Op. 129

Janos Starker, cello; London Symphony
Orchestra, Stanislaw Skrowaczewski, cond.
- MERCURY MG 50347. LP. $4.98.
- MERCURY SR 90347. SD. $5.98.

Starker's satanic virtuosity in itself would make these performances compelling; adding Skrowaczewski's equally disciplined but more pastoral and searching leadership makes them irresistible. These particular musical temperaments are ideally complementary to each other, and fortunate indeed is the record company that has both artists under contract. This team could give well-nigh ideal performances of Strauss's Don Quixote and Brahms's Scherzos. Won't Mercury please take the hint?

We have already heard Starker's performance of the Schumann (in an earlier Angel recording, with Giulini and the Philharmonia) and know of his ability to pull together all the loose ends of that sometimes rambling piece. This new version is even better, for while the rhythm in the finale is, if anything, even more buoyant than before, more of the underlying tragic drama and romanticism of the piece emerge through Rostropovich's more introverted and melancholy recording with Rozhdestvensky (for DGG) offering Starker-Skrowaczewski really a vigorous competition.

The rhythmic finesse and internal clarity we recognize here are, of course, a tribute to the performing musicians, as the recording as you have never heard them before, with surfaces so clean, and reproduction so true that concert hall presence becomes a living actuality. And the performances? Aahhh!!!

On Westminster — Price $4.98

RICHARD STRAUSS: Metamorphosen; Le Bourgeois Gentilhomme. Chamber Orchestra of Lausanne; Rymacino, violin; Desarzens cond. XWN-19026/WEST 17056
- CHARLES CHU: Piano Concerto. List piano; Vienna State Opera Orch; Chavèz cond. XWN-19030/WEST-17030
- SCHERKHELF Conducts for Cembali for 1, 2, 3 and 4 TRUMPETS — Telemann: Stett危机: Corelli: Mantredoni: L. Mozart: Delmotte; Manusse; Trumpets; Vienna State Opera Orch; Scherchen, cond. XWN-19047/WEST-17047
- MILHAUD: Sacred Service for the Sabbath Morning. Rehnus, baritone; Chez the Radio-Television Française, Orchestre de la Théâtre National de L'Opera; Milhaud cond. XWN-19052/WEST-17052
- WAGNER: Rienzi: Overture; Flying Dutchman Overture; Siegfried Idyll; folksong and Prelude; Munich Philharmonia; Kapellmeister Roth; XWN-19055/WEST-17055
- W. A. MOZART: Posthorn Serenade, k. 320; Serenaoto Nottura, k. 239; Chamber Orch of Lausanne; Desarzens, cond. XWN-19057/WEST-17057

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Be sure to watch for the forthcoming additional releases in the new Westminster Collectors Series.

The above recordings are available at all record shops.
CATHARINE CROZIER: Organ Recital

Catherine Crozier, organ.
- AEGEAN-SKINNER A 315/16. Two LP. $4.98 each.
- AEGEAN-SKINNER AS 315/16. Two SD. 55.98 each.

Miss Crozier, who was for years on the faculty of the Eastman School of Music, has taught and given recitals throughout the United States. To judge by these records, she is an artist with a big technique, good rhythm, and a nice taste in registration. Her choice of programs here, however, is not anything to cheer about. The disc labeled AS 315 and titled "Program I" consists mostly of works designed to be played solo on the pipe organ and is now often designated "music to solo." You can fill in the blank with anything you like; the point is that you don't have to listen to this sort of music.

The longest work is the Sonata on the 94th Psalm by Julius Reubke, a Lisztian piece that is weak and repetitious but for some reason seems to be a favorite with organists. Also represented here are Jean Langlais (born 1907), Roger Ducasse, (1919-1940). It may be that Miss Crozier deliberately chose such neutral stuff, because the main idea seems to be to display the qualities of the instrument, the Aeolian-Skinner organ at the Auditorium, World Headquartes, Reorganized Church of Jesus Christ of Latter-day Saints in Independence, Missouri. It is a splendid instrument with lovely flutes, characterful reeds, and rich mixtures, and it seems to be efficient in every division. It is given spacious recording here, with a wide dynamic range.

"Program II" contains some meatier items, including a rather charming and delicate Fantasy for Flute Stays by Leo Sowerby, a noble little Chaconne in G minor by Louis Couperin, Handel's Concerto in F, Op. 4, No. 5 (sounding pale without the orchestra), and Bach's Trio Sonata No. 5, in C, very well played. N.B.

GIUSEPPE DI STEFANO: Operatic Recital

GREGORIAN CHANT: "Chants of the Church"

Choice of the Abbey of Mount Angel and Mount Angel Benedictine Choir (Oregon), Dom David Nicholson, O.S.B., cond.

**WORLD LIBRARY OF SACRED MUSIC WLSM 8.** L.P. $4.98.
**• WORLD LIBRARY OF SACRED MUSIC WLSM 8 S.** SD. $5.98.

Even among the many fine releases now available in the recorded church song repertory, this disc makes two worthy claims to attention. One is as an example of how a gifted choirmaster (in this case, one well schooled in the Solesmes tradition) can train American schola cantorum students in the highest European choral standards. While in Side A, the combined choirs, the somewhat too intense over-casting of the performance reveals the inclusion of less experienced singers (among the young Benedictine seminarians), in Side B, where the "Scotia Sacra" Choir is heard alone, Father Nicholson's schooling in expressive sensitivity as well as in precision of rhythm and intonation is fully conveyed. The various works included in the performance reveal the well-organized presentation to the repertoire of Gregorian Chant for listeners either completely new to the music or wanting something less than the complete Masses or other services most often featured nowadays in record

One keeps hoping for a pleasant surprise from this singer—some evidence that the rapid deterioration of his splendid instrument has somehow been arrested. But there is nothing encouraging here—not a note above the staff that does not bespeak ruinous pressure, not a high-lying phrase that is not a painful blighting chord.

Two points of some interest: 1) though the Orello music is not suited to Di Stefano's voice, he does rather well with the opening part of the Monologue, which has clear projection of the words and some sensible phrasing. The Lirich Scene, though, is overdone and undignified. 2) Several of the Side 2 selections are unfamiliar, "Testa adorata" has been recorded before, but not recently, and "effective number," though not, I find, a memorable one. The Maristella selection by Giuseppe Pierré is just bad music. In fact, the disc is issued by an unusual label—formed by tertiary Italian composers who are somewhere between Mascagni and Martucci in manner.

The Pizzetti selection is somewhat more distinguished, providing at least a recognizable harmonic underpinning and a certain amount of a certain intellectual interest. It rigorously avoids all suggestion of old-fashioned melodic line until it suddenly comes upon a tite postcarding concluding progression. Eco Italian opera since Puccini.

The accompaniments are quite good, and so is the sound, though it favors the singer. Text and translations. C.L.O.

**RUGGIERO RICCI:** "The Glory of Cremona"

Ruggiero Ricci, violin; Leon Pommers, piano.

**• DECCA DXE 179.** L.P. $4.98.
**• DECCA DXSE 1719.** SD. $5.98.

Nobody who attended the session at which Ricci made this unusual recording is likely to forget the sight which greeted one on entering: the long table, flanked by two pistol-packing Pinkerton detectives, bearing no fewer than fifteen of the world's highest-pedi- greed violins, an Andrea Amati and a Nicolo Amati, five Josep Guerners, a Gasparo de Salo, and a Carlo Bergonzini made up the $750,000 collection. Each of the violins represented here in very fine condition. The collection was handled by the late Rembert Wurlitzer, one of the country's leading dealers in rare instruments, and it was indeed a vision to warm the heart of any fiddle fancier.

Ricci took up the violins one by one, planted his feet firmly on the yellow chalk marks sketched at the prescribed distance from the microphones, and played on each instrument, a startling demonstration of Ricci's skill. The violins were preserved in an array of old Chinese violins, which Ricci chirped at, and played on. The whole collection was played with a sinuous Intra by DesPlanes; for the bright, dark, almost violalike "Joachim" Strad (1714), the Brahms Hungarian Dance No. 20; for the huge and brilliant voice of the "De Beriot" Guarneri (1744), a starrat and meaty composition by Hubay; for the powerful "Spanish" Strad (1677), a distillation of Russian yearning and passion by Kabalevsky. It was a fascinating parade of pieces that are fiddle music pur sang, with an ardent, passionate, unassuming approach suited most of them very well indeed.

There was a bonus yet to come. To pinpoint comparisons, Ricci cut a special 7-inch disc on which he played, on each instrument in succession, the opening solo line of the 17th century G minor Violin Concerto. It is the closest most of us will ever come to a trip through the vaults of Wurlitzer's Hill and Valley String Sets. For those who may yearn for such a trip it offers an unprecedented chance to ponder the mysteries of the craft of violin making. A lucid essay by Mr. Wurlitzer, compact notes on each instrument, and excellent sound complete a most attractive package. R.D.D.

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BRAHMS: Symphony No. 1, in C minor, Op. 68

Pittsburgh Symphony Orchestra, William Steinberg, cond. [from Capitol P/SP 8340, 1959]

- Paperback Classics L 9203. LP. $1.98.
- • Paperback Classics SL 9203. SD. $2.98.

This remains one of Capitol's best discs from a Pittsburgh series that was outstanding in its day. Technically, the newer version by these same artists has an advantage, but musically this is a comprehensive view of Steinberg's achievement with the score and, in some respects, a more powerful account of the music than the second try. The rich, mellow quality of the recording is also flattering. R.C.M.

BRAHMS: Symphony No. 2, in D, Op. 73

Vienna Philharmonic, Pierre Monteux, cond. [from RCA Victor LM/LSC 6411, 1960]

- RCA Victor L 1055. LP. $2.50.
- • RCA Victor VICS 1055. SD. $3.00.

RCA Victor's publicity states that this performance, like the Monteux VPO Eroica, was never issued prior to this disc. That is not quite correct, for this Brahms No. 2 actually did appear—as part of a four-record set of the Brahms Symphonies as directed by Von Karajan, Monteux, Reiner, and Munch. (In England, the Monteux was also released as a single disc.) The company's statement does have some validity, however, in that it is doubtful whether Monteux's recording reached as many listeners as it should have in its obscure original state.

The list of names on the roster of bargain-priced Brahms Seconds—celebrities such as Furtwängler, Mengelberg, and Weingartner—looks impressive on paper. Actually, however, there is nothing remotely to compare with Monteux's splendid effort: Weingartner's is a fine reading hampered by primitive sound, while those by Furtwängler and Mengelberg, with even less acceptable sound, are both eccentric and willful interpretations.

There is, of course, a newer (full-priced) Monteux reading of the Symphony, with the London Symphony for Philips. The British orchestra plays more crisply and with cooler ensemble tone than their Viennese brethren, while Philips' stereo positioning is less conservative and, to my mind, more effective than Victrola's. I prefer the Philips version, especially as the price ratio is narrowed by the inclusion there of the Academic Festival. But everything about the Victrola edition—playing, engineering, and processing—is absolutely first-rate. (And if the stereo placement is rather unspectacular, it does at least offer a somewhat fuller sound than its monophonic counterpart.) H.G.

CHABRIER: España; Joyeuse marche
†Ravel: Pavane pour une infante défunte
†Saint-Saëns: Danse macabre, Op. 40; Le Rouet d'Omphale, Op. 31

Orchestre de la Suisse Romande, Ernest Ansermet, cond. [from London LL 696, 1953]

- Richmond B 19097. LP. $1.98.

Since only the Ravel Pavane is now available in a later, stereo edition, this program will be valued far above its modest price by every admirer of the Swiss conductor, who was at his very best in these superbly buoyant, exhilarating performances of the two Chabrier jeux d'esprit. And it well may be welcomed even more widely for its unfaded sonic appeal: if not quite as sonorously substantial as the finest mono recordings of today, this technical masterpiece of over a decade ago still boasts dazzling glitter as well as virtuoso-orchestral authenticity. R.D.D.

FALLA: El Sombrero de tres picos

Suzanne Danco, soprano; Orchestre de la Suisse Romande, Ernest Ansermet, cond. [from London LL 598, 1952]

- Richmond B 19100. LP. $1.98.

Pardon my nostalgia, but ten years ago I spent the winter in the damp and foggy precincts of the University of Oxford, combating the ague as best I could with what the British would call a small gramophone and an electric fire. (In other words, I had a phonograph and a heater.) This recording of The Three-cornered Hat was then new, and its Latin warmth was just what I needed to raise my spirits and make the battle with the climate seem endurable. At the time, it was considered the ultimate in high fidelity engineering, and it still sounds fine to me. The performance is sensitive and idiomatic, and the effect of hearing it again was one of distinct satisfaction. Among current low-priced discs, this is a best buy. R.C.M.

GRIEG: Concerto for Piano and Orchestra, in A minor, Op. 16
†Schumann: Concerto for Piano and Orchestra, in A minor, Op. 54

Solomon, piano; Philharmonia Orchestra, Herbert Menges, cond. [from Capitol G/SG 7190, 1960]

- Paperback Classics L 9219. LP. $1.98.
- • Paperback Classics SL 9219. SD. $2.98.

In its original American issue, the monophonic disc of this recording was less brightly focused in sound than its stereo counterpart. I cannot state whether the same holds true in this inexpensive reprint, since only the SD arrived for review, but the reproduction on that edition sounds fine—a bit subdued perhaps, but lucid and mellow.

Solomon's interpretations are a joy. The fine British pianist (who suffered a stroke shortly after this recording was taped) was not a stormy bravura player. His command over the notes here is effortless, complete, but always poetic, and the cantilena he produces in lyrical passages is of the loveliest, most ravishing quality imaginable. Menges leads the orchestra with fine discretion, and at times the two musicians appear almost to commune with each other in a chamber music framework. (The judiciously balanced engineering enhances that effect.)

In any price category, then, this disc is worthy of very serious consideration, and there is nothing remotely comparable in quality at bargain rates. It is to be gratefully welcomed back to the catalogue.

H.G.

HANDEL: Rodelinda (abridged)

Friederike Sailer (s), Rodelinda; Hedwig Lipp (c), Edwige; Franz Fehringer, (1), Grimoaldo; Robert Titze (b), Ber- tanio; Walter Hagner (bs), Unuflo; Helmut Lips (bs), Garibaldo; Chorus and Orchestra of Süddeutscher Rundfunk, Hans Müller-Kray, cond. [from Period 589, 1954]

- Lyricord LL 115. LP. $4.98.

Handel's operas are so meagerly represented on records that one is glad to welcome this disc back into the catalogue, even though it contains less than half of the score. It is an echo of the revival of Handelian opera in Germany in the 1920s. One of the chief figures in that revival was Oskar Hagen, and it is his version of Rodelinda that is the basis for the present recording. Hagen had cut
Handel’s score considerably to make it viable for the contemporary stage, omitting a number of arias, mostly for the subordinate characters. He also shifted two principal parts, originally for castrati, to a baritone and a bass.

The present version deletes more than a third of Hagen’s score, so that what we have here is “highlights” from the opera. There is some lovely stuff among them, such as the soprano arias “Oubre, piaire” and “Ahri, per cher,” the beautiful “Dove sei, anato bene” (here sung by the baritone), and the tender and affecting duet “Io tabbraccio.” The best singing by far is done by Miss Sailer, in the title role, who displays more spirit and variety here than I have heard from her on other occasions. Some of the other soloists sometimes reach her level. The orchestra is timid, but the sound acceptable. All in all, a case where a sampling is better than nothing. The Italian text and an English translation are provided.

N.B.

HAYDN: Seven Last Words of Christ

Amadeus Quartet. [from Westminster 19055, 1955]

* Westminster Collectors Series W 9029. LP. $4.98.

Among the important Haydn works to have been written on foreign commission (in this case from Spain), these nine movements exist in four different versions, in vocal, piano, and orchestral forms, and the present text for string quartet. The latter, I think, is the most effective, and the present edition has had the field pretty much to itself for a dozen years. It is eloquent, well recorded, and a lesser classic of the LP era.

R.C.M.

OFFENBACH: Overtures (5)


* Richmond B 19098. LP. $1.98.

The once highly praised FRR recording now seems somewhat constricted and at times even just a bit tubby, yet it is by no means lacking in strength and bright clarity. What makes this program a "must" at least for everyone who doesn't own Scherchen's recent Offenbach Overtures from Westminster) is the controlled zestfulness of Martinon’s performances. Seldom have the familiar Orpheus in the Underworld, Belle Hélène, and Grande Danseuse de Delphes been played without any suggestion of either slapdashness or sentimentalization; seldom have the less frequently heard Barbe-bleue and Mariage aux Lanternes revealed more detectable picquancies and lyricism. For sheer listening pleasure, this set at the $2.00 window is a sure thing to pay off with daily-double munificence! K.D.D.

PROKOFIEV: Symphony No. 5, in B flat, Op. 100 (A); Scythian Suite, Op. 20 (B)


* Mercury MG 50343. LP. $4.98.

* Mercury SR 90343. SD. $5.98.

These performances, not originally coupled, have just now been restored to the catalogue of the London label. The big attraction here is the Scythian Suite, that fine piece of early Prokofiev primitivism in a splendid reading under a conductor who knows his way around a ballet score. The Symphony gets a rough, driving performance, with every detail—good, bad, or indifferent—mercifully exposed in the glare of the dry, clear, close sound. Incidentally, the record jacket does not make clear which orchestra plays which piece, and the disc label itself incorrectly credits the Minneapolis with both performances. E.S.

RIMSKY-KORSAKOV: Le coq d’or: Suite (A)

* Tchaikovsky: Serenade for Strings, in C, Op. 48 (B)


* Mercury MG 50344. LP. $4.98.

* Mercury SR 90344. SD. $5.98.

The Coq d’or concert suite here is accorded a brilliant performance, enhanced by very realistic sound. The Tchaikovsky Serenade appears in one of the very few uncut performances on discs, and the only one I know of that is complete on one uninterrupted record side. It is a very clean, forthright presentation by a superior group of strings. I would have liked less staccato playing and phrasing in the third movement, otherwise, how the piece in stereo reproduction is splendid—fine, clear, and bright.

P.A.

WAGNER: Siegfried (abridged)

Florence Easton (s), Brünnhilde; Nora Gruhn (s), Forest Bird; Lauritz Melchior (t), Siegfried; Heinrich Tassmer and Albert Reiss (t). Mime; Friedrich Schorr and Rudolf Beckmann (b). The Wanderer; Eduard Habich (bs). Faifer and Alberich. Symphony Orchestra of London and Opera of the Royal Opera House, Covent Garden. Robert Heger and Albert Coates, cond. [from RCA Victor M 83, 1930; M 167, 1933; M 161, 1940]

* Onion 80744/45. Two LP. $5.98 each.

There is only one valid criticism of these remarkable records, and that is that there is not enough of Siegfried on them. This fault cannot be entirely, or largely, blamed on the current powers that be in the EMI organization. One of the great pithes of recording history to date is that complete versions of all the Wagner operas were not inscribed thirty years ago, when the art of heroic singing had its most remarkable flowering; in the case of Siegfried, lengthy passages were left unrecorded, so that we have had to wait for London’s recent stereo version for a complete presentation of the opera.

Nonetheless, the HMV Siegfried recordings of the Thirties, which had currency here under the Victor label, contained a great deal more of the opera than is crowded onto these four generous sides. Here were three of those Victor Siegfried albums: M 83, embracing two- sided; M 161, embracing twelve; and M 167, embracing eight and duplicating some of the final duet music contained on M 83. All these albums starred Melchior as Siegfried, except that M 83 replaced him with Rudolf Beckmann as a dramatic baritone duet with Frida Leider (commencing at "Hell dir, Sonne"). Odeon has taken these three sets and collated them, placing all the music in its proper sequence. It’s an admirable plan, except that fairly sizable chunks of music that was recorded have been left out.

The following passages from the indicated 78 sets have been omitted from the Odeon re-pressings: 1) the Prelude (M 167); 2) Mime’s opening monologue “Zungengrille Plage”; 3) the Act I passage between Mime and Siegfried, beginning at “Fühlest du nicht in jünster Wold,” and running to the beginning of Siegfried’s Forging Song; 4) the entire Erda scene at the opening of Act III, beginning with the orchestra introduction, going on through Wotan’s “Wache, Wald!”, Erda’s “Starke ruf das Lied”, and the ensuing colloquy (M 83).

This adds up to seven or eight 78 rpm sides, and is easily enough to justify a third record, particularly when they can be acquired separately, as is the case here. The cuts are all real losses, not merely for the music, but for the performances. Tassmer and Albert Reiss were both splendid Mimes in very different ways. A convincing Wotan is a mis搔, and the Wotan/Erda scene, as sung by that extraordinary husband-wife combination, Emil Schipper and Maria Olszewka. It opened with a fine, thunderous performance of the orchestral introduction to Act III by the Vienna State Opera orchestra under Karl Alwin. Schipper was perhaps not a great dramatic baritone—a rung or two below the other Wotans heard here. Schorr and Beckmann—but he was a very powerful one and would certainly be a welcome addition to the current crop.

And since the retirement of Olszewka, there have been only one or two Erdas (Branzell comes to mind) whose names could properly be mentioned in the same breath with hers.

There might be some question in certain collectors’ minds as to whether or not the Laubenthal/Leider version of the duet should not have been included, on the strength of Leider’s contribution. Here, then, I think the logical course has been made. To begin with, the Easton/Melchior version is complete (nearly twice as much music here as on the Leider performance). And while Easton is not quite up to Leider’s standard either vocally or stylistically, she is extremely good; the voice is bright and full and
wide-ranging, capable of a true trill, and her interpretation has a direct, almost girlish flavor of its own that is quite interesting and appealing. Between Laubenthal and Melchior there cannot be any comparison; if Leider is somewhat more exact, Melchior is a more healthy stretch of the Siegfried/Mime scene, from Siegfried's entrance through his dash off into the woods; then the Wotan/ Mime scene from the point of Wotan's entrance ("Hell dir, weiser Schmied") through the end of Mime's three riddles (but not including Wotan's questions); then the finale of the act from the start of the Forging Song on. From Act II, there is the Forest Murmurs scene ("Das der mein Vater nicht ist") and the Siegfried/Fafner fight. In Volume 2, there is the Mime scene in the Mime/Alberich quarrel, Siegfried's scene with the Forest Bird after the death of Fafner (we get a few of Fafner's lines and Siegfried's "Da lieg auch du, dunkler Wurm"); then, from Act III, the Siegfried/Wotan confrontation; then, "Kemnast du mich, kühner Spross" and, occupying the entire final side, the concluding scene of the opera, beginning with "Was ruht dort schlammernd."

This adds up to slightly less than half of Siegfried, which, however one may regret the excisions, is quite a good deal of music. Certainly no one who does not own the originals should have a moment's hesitation over the purchase, for the performances are incomparable—in fact, I think it is unfair to say that there is not a moment of this performance (excepting a few purely orchestral passages or small portions of the soprano's music) that could be matched today. Melchior, of course, makes most of the difference. Though he stands more heavily on his tenor hero, and there is probably no other singer/role match more clearly superior to all competition, past or present, than Melchior as Siegfried. He is most obviously superior with the opera, its central figure, its music—especially in the Forging Song and the final duet, it is really all most tenors can do to find ways of negotiating the music; Melchior throws himself into it with joy. Most of the negative feeling one hears voiced about the opera, its central figure, its music, have a way of disappearing when Siegfried sounds like a true hero. But there is more to Melchior's portrayal than the ring of a real Heldentenor, vital as that is. He could modulate his tone to any dynamic level, and to any of a wide variety of colors, and he was, for all the sloppy musicianship of his later years at the Met, an intelligent, sensitive interpreter. There is contemporativeness and tenderness in the Waldweben scene, and much girlish beauty and charm during which he speculates about the nature and fate of his mother. There is genuine innocence and humor—not beefy cuteness—in his "Das tont nicht reuet" when he fails to imitate the Forest Bird's song on his pipe. And there is passion, longing, and urgency in the mounting climaxes of the last pages. This is one of the great vocal achievements on records, and will come as a revelation to those who may not have heard it. Melchior believed in a Re- kühner Spross would justly the re-release of these records, but fortunately there is much else besides. I have already spoken of Tessmer, Reiss, and Easton, each of whom is splendid. Then there are the two Wotans, Schorr and Bockelmann. It would be idle to claim that Schorr's top register was especially easily produced or ingratiating to the ear, at least at this stage of his career; high F is a strain, and the sound shows it. But the voice is so steady and warm, the phrasing so smooth and yet so sharp in attack, and the sense of style so secure, that a few top notes do not seem to matter. In his opening words to Mime there is a feeling of calm, of acceptance of all things, which immediately conveys the essential attributes of The Wanderer. (What contemporary baritones would imagine that Schorr must have made Wotan's final moments, his capitulation to Siegfried, a very great theatrical experience.)

Bockelmann is at his best here, as he is with his sturdy, resonant Kurwenal on the old Bayreuth Tristan. His voice, like Schorr's, was rock-steady, not so warm as Schorr's, but more at home in the upper part of the heroic baritone range, and a bit weightier. Like Schorr, he sang beautifully in this music—something that contemporary baritones, with an occasional exception like George London, seem to regard as irrelevant if not actually subversive. He does his one scene magnificently.

Heger and Coates were both front-rank Wagnerian conductors, and they had superb ensembles to work with. It is a bit difficult to objectify responses to performances that one has grown up with: I have heard these Siegfried recordings in this house, and I heard anyone else conduct the music, or consulted the score. (I suppose this may be true, to some extent, with regard to the singing too—I just can't get used to the idea of artists not vocalizing well, even though they may get away with it in roles like Mime or Hunding.) Still, this seems to me like first-rate Wagnerian playing—uneccentric, straightforward, "in the blood," with nothing hard-driven or frantic about it, and with no special theories about inner lines or sonorities in operation.

The recorded sound, despite overaverage side length, is much above the norm for transfers, if not quite as clear or brilliant as that of the originals when heard on good equipment.

In sum: those who know these recordings, but do not own them, will not baver, however sorrowful they may be about the unfortunate and unnecessary cuts; those who have not made their acquaintance are under an imperative to do so—in order to find out how Siegfried can sound.

C.L.O.

DAVID OISTRAKH: Violin Recital


David Oistrakh, violin; Vladimir Yampolsky, piano (in C and D); Boston Symphony Orchestra, Charles Munch, cond. (in A and B). [(A) and (B) from RCA Victor LM 1988, 1956; (C) and (D) from LM 198 1956].

**RCA VICTROLA VIC 1058. LP. $2.50.**

**RCA VICTROLA VIC 1058. SD. $3.00.**

These pieces represent David Oistrakh's very first American-made recordings, yet in one respect the reissue turns out to be better than the initial releases. The originals were recorded on both mono and stereo tapes but issued on discs in mono only. Now they are available both ways and sound excellent. Oistrakh moved along monaural and stereo axes closely in the Chausson and Saint-Saëns than almost any other violinist, though he might have dug a little more deeply into the music. On the other hand, he is most expressive in the slow movements of the two sonatas. Victor stated here in distilling the best material from the two earlier discs and combining it on an improved, lower-priced record. P.A.

FERNANDO VALENTI: Spanish Keyboard Music


Fernando Valenti, harpsichord. [from Westminster 18624, 1957].

*WESTMINSTER COLLECTORS SERIES W 9323. LP. $4.98.*

A charming collection of delightful eighteenth-century Spanish obsequies (with the exception of the piece by the "other" Albéniz, the warhorse, so to speak, of the collection). The music ranges in style from pure Scarlatti-ism to a highly developed classical manner with obvious derivations from Boccherini and Haydn. Oddly enough, nearly all of these composers were in orders; some of them are so obscure that not even their first names are known, but they all had art within a minor but charming tradition.

Valenti's performances are free, rich, and most attractive; the recorded sound holds up very well. A minor mystery: how was all the swelling and fading accomplished? Most of the time, this seems to be an extraordinary result of an itchy finger on the controls. There certainly seem to have been musical reasons for much of the constant dynamic shifting, but a good deal of it is not very convincing. E.S.
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CIRCLE 45 ON READER-SERVICE CARD
**“Lady in the Dark.”** Risë Stevens, Adolph Green, John Reardon, et al. Columbia OL 5090, $4.98 (LP); OS 2390, $5.98 (SD).

When *Lady in the Dark* opened in New York in January 1941, several new and decidedly special things arrived in the American musical theatre. Originally having in mind a play with a few incidental songs, Moss Hart set out to examine the complexes responsible for the conflict between the career and the love life of a successful magazine editor, Liza Elliott. As the project developed, Kurt Weill’s music took on an increasingly important role, but the work was still far removed from the conventional “musical comedy” of the day.

Except for recurring fragments of what proves to be the climactic theme, *My Ship*, the music of *Lady in the Dark* is confined to four dream sequences in which Liza’s fantasies on the psychoanalyst’s couch reveal the inner motivation for her difficulties. By this means the boy-girl conflict seemingly essential to Broadway shows and usually presented in its shallowest form was, for the first time, placed in adult perspective. To celebrate this arrival of Sigmund Freud on the American musical stage, Kurt Weill turned away from the relatively conventional work he had been doing since his arrival in the United States six years previously and created a score that brilliantly captured the shifting moods and settings of Liza’s dreams; and for Weill’s highly melodic and frequently witty music, Ira Gershwin wrote a superb set of lyrics in which the scintillating talent evident in his earlier efforts came into full flower. To project all this, there was Gertrude Lawrence, giving as Liza the virtuoso performance of her career, and there was the explosive arrival of a previously unknown comedian named Danny Kaye.

The opening of *Lady in the Dark* antedated the era of the original cast recording by about two years, although at the time Miss Lawrence and Mr. Kaye each recorded excerpts from the production for RCA Victor (these 10-inch 78-rpm discs were once available on LP reissues but have since disappeared from the catalogue). In the intervening years other pre-original-cast musicals have been given recorded documentations, but unaccountably, we have had to wait for a full-dress recording of *Lady in the Dark* until now. The present handsome, beautifully recorded album, for which Lehman Engel has wisely used Weill’s original orchestrations, is a welcome remedy for this oversight.

A basic problem with any production of *Lady in the Dark* is that it must contend with long-time theatregoers’ insistent memories of the performances by Miss Lawrence and Kaye. Happily, Columbia’s version will quickly dispel whatever trepidations one may have on this count. Despite some erratic moments, Risë Stevens has realized the role of Liza unusually well. Most of her difficulties center on the spoken lines, which demand a sense of style that she is not always able to command. This affects her singing only once, however, in *The Saga of Jennie*, where her hurried and flat spoken introduction gets her off to a poor start on the song. And although Adolph Green has to strain to meet some of the singing requirements of the Danny Kaye assignment, he makes excellent use of his abilities as a mimic to give his lines crisp authority.

Unlike the scores of most Broadway musicals, *Lady in the Dark* has relatively few set pieces for the leads. The four dream sequences are beautifully woven patterns depending almost as much on the chorus and a variety of subsidiary solo voices as they do on Miss Stevens and Green. John Reardon sings *This Is New* with easy authority, and Stephanie Augustine is especially winning in a brief appearance.

Good use is made of the spread of stereo all through the recording and particularly in the exchanges in the courtroom sequence of the *Circus Dream*.

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Miss Stevens, Mr. Green: now, a full-dress recording for Weill’s witty music and Gershwin’s bright lyrics.

J.S.W.
Brigitte Bardot: "Sings." Philips PCC 204, $4.98 (LP); PCC 604, $5.98 (SD).

Well, gentlemen, here it is. Brigitte Bardot sings, eh? We open a book-fold album. Pictures, possibly? Ah, yes, and we observe, all folded together, from neck to toe. What kind of a record is this? If one can disregard the disappointments of the sleeve-book and go on to play the record, one will discover that Miss Bardot has a great deal of unpretentious charm, even as a singer. Her program is a mixture of French music hall songs and lighthearted evocation of the pop music of the Twenties, along with one venture into pseudo rock 'n roll and a try at English on Everybody Loves My Baby. The latter turns out to be a winning effort, simply on the strength of Miss Bardot's vocal charm. Vocal charm, in the final count, is what Miss Bardot has. No sex kitten stuff, either. She can keep her clothes on, breathe normally, and make it quite capably—just singing.

Danny Kaye: "The Best of." Decca DXB 175, $7.98 (Two LP); DXSB 7175, $9.98 (Two SD).

The myriad talents of Danny Kaye are offered in splendid cross section in this possibly his Decca-made recordings. Possibly even too much of Kaye is revealed—his blandness as a straight singer is exposed on Anywhere I Wander and, despite his usual ingenuity, he gets caught with almost nothing creative to contribute to such familiar songs as St. Louis Blues and Ballin' the Jack—but these evidences of human failibility matter hardly at all in comparison with the sustained delights following one after another through most of the four sides of this album. Kaye is rowdily French in Pigalle, dramatically folk-Irish on Molly Malone, burringly Scottish on I Belong to Glasgow; he captures a variety of aspects of England on I've Got a Lovely Bunch of Coconuts, Mad Dogs and Englishmen, and the Gilbert and Sullivan patter of The Policeman's Song and When I Was a Lad; and he offers such Kaye classics as Tchaikovsky (from Lady in the Dark), The Theme From Buzz Anthology of Paris, The Hobby Number, and an acquisition called Triplets. In fact, a great deal of the basic Kaye material—the songs on which his reputation is based—has been collected on these two discs, making the set as definitive as any Danny Kaye collection is likely to be.

Frank Cordell and His Orchestra: "Hear This." Capitol T 10346, $3.98 (LP); ST 10346, $4.98 (SD).

For a program made up primarily of Rogers hits (with touches of Kern, Porter, Arlen, and Ellington), England's Frank Cordell has created arrangements that are adventurous without ever becoming in any way, insubstantial. Eventually, what he does is to take such familiar material as So in Love, I Didn't Know What Time It Was, My Funny Valentine, I'm Old-Fashioned, Caravan, and Come Rain or Come Shine and, by combining rich harmonies and an easy rhythmic flow, give them fresh vitality without re-sorting to tricks. He turns June Is Bustin' Out All Over, for instance, into a delightfully airy tour de force for pizzicato strings; he gets unusual and interesting results from a combination of trombone and flute on Come Rain or Come Shine; and he shows the full force of his orchestra on Caravan. He makes especially effective use of strong, dark bottom sounds and spices his arrangements with short passages by several of Ted Heath's soloists.

Pathéchou: "At Carnegie Hall." Audio Fidelity 2109, $4.98 (LP); 6109, $4.98 (SD).

Pathéchou's warm and engaging personality comes through strongly in this concert recording. She is a quality very much like Maurice Chevalier's—a heard singing particularly marked in her spoken introductions, which in their style, their inflection, and their humor are strikingly in the Chevalier vein. Though she is not a great vocalist, she is a superb showman and makes excellent use of the title (of the dark, sinuous, and sometimes throttling qualities of a relatively limited voice. Her program projects the feeling of a French music hall with an admirable mixture of songs familiar on both sides of the Atlantic—Que reste-t-il de nos amours (in the United States I Wish You Love), Chanson d'Arra from Irina la Douce, and La Goulante de pauvre Jean (she explains with great zest why the American title The Poor People of Paris is all wrong)—along with material that in its melodic lilt and dramatic flair is uniquely Parisian.

Antonio Carlos Jobim: "The Composer of Desafinado." Plays: Versus: 8547, $4.98 (LP); 68547, $5.98 (SD).

Practically the patron saint of the bossa nova movement, Jobim is one of the prime sources of the wistfully haunting melodies typical of this music at its most appealing. As well, he is hardly, as is his novistic hit, Desafinado, he also wrote such popular examples of the genre as One-Note Samba, Meditation, Chega de Saudade, and Insensatez. They are all included here, along with several other attractive Jobim compositions (with the United States I Wish You Love), Bustin' the French, and Grenada, and the haunting, played in a group which strings and rhythm form a foundation over which Jobim's very simple, single-note piano patterns, and occasionally a flute or a soft trombone, carry the melody. The set is charming in its simplicity and complete lack of pretension, although the similarity in mode and interpretation from one piece to the next may make for monotony if taken all at once.

Charlie Cochran: "Presenting Charlie Cochran." Ava 25, $3.98 (LP); S 25, $4.98 (SD).

Cochran, a singer new to me, has a light, ingratiating voice which he uses extremely effectively in a group of low-keyed, well-chosen songs and introductions. Countering the sponsorship of Fred Astaire (to the extent that Ava is Astaire's company and Astaire has written the liner notes for this disc), and his singing style has a good deal in common with Astaire's—with the notable exception that he has
a bit more voice than Astaire had even in the latter's best days. The similarity is particularly noticeable on *A Lonely Old Song*, a number that Astaire could have done delightfully. The rest of the program leans towards a more deliberate tempo than Astaire might have chosen, but Cochran handles it well, assisted by quietly effective arrangements from Dick Hazard.

**Lena Horne:** "Lena Like Latin." Charter 106, $3.98 (LP); S 106, $4.98 (SD). Miss Horne's highly mannered style fits cozily into the sinuous strains of the various Latin rhythms used throughout this set. Sometimes she is completely involved in the special rhythms—as on the bossa nova-bred Meditation or on the bossa nova adaptation of *Night and Day*—and sometimes she imposes a relatively straight singing approach on the Latin beat, as in her very effective treatment of the coxing By Myself. Along with songs that one might expect to find in such a program (Old Devil Moon, Island in the West Indies, and Take Me) there are occasional surprises such as My Blue Heaven, turned here into a jaunty bit of bossa swing. On occasion Miss Horne's dramatic projection produces some battles between song and style, but it's a sporting proposition—the victory sometimes goes one way, sometimes the other. Always she is distinctive, and more often than not, a lot of fun.

**Earl Grant:** "Fly Me to the Moon." Decca 4454, $3.98 (LP); 74454, $4.98 (SD). Grant has succeeded in avoiding both the limpness and the stickiness often characteristic of mood music programs played on the organ. With the help of unbridled guitar, bass, drums, and tenor saxophone, he manages to mingle the swelling, flowing sound expected of an organ with vitalizing contributions from the guitarist and saxophonist. There are times when the combination of a particular tune with the organ makes for an inescapable commonplace—on Over the Rainbow, for instance—but in most cases Grant and his group have managed to provide a provocative and perky approach.

**Til Dieterle:** "Like Time on My Hands—A Tribute to Vincent Youmans." 20th Century-Fox 5020, $3.98 (LP); S 5020, $4.98 (SD). While this is an album about which it is very easy to carp, it has points of interest. Youmans' songs are worthy parts of the great musical comedy flowering of the Twenties and Thirties and, even though illness cut short his active career, his work ranks deservedly with that of the giants of those days—Kern, Porter, Rodgers, and Gershwin. His music seems to flow gracefully almost by instinct, and it is therefore rather unforgivable that the performances in this collection are in several respects clumsy. Miss Dieterle is a stiff and starchy pianist, and the melodic level is not improved in the four selections on which she is assisted by Ashley Miller on organ. Instrumentally, the saving grace is the solo guitar of Al

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CIRCLE 22 ON READER-SERVICE CARD

The New Moon; Gordon MacRae, Dorothy Kirsten. Roger Wagner Chorale. Capitol W 1966, $4.98 (LP); SW 1966, $5.98 (SD).

Sigmund Romberg's score for this 1928 musical is even richer and more melodic than most of those who think fondly of it may recall. It includes, of course, Lover Come Back To Me, Sally, as in a Morning Sausage, and Our King—all of them first-rank lyrical romanticism—and for sturdy operetta declarativeness there is Stonelheaved Men. But there is still more to The New Moon—other songs that in a musical of less distinction would certainly have earned recognition. A merit of this disc is that it brings to attention Marianne. Wanting You, and the spirited Try Her Out At Dance. Unfortunately, however, the recording has to depend for its effectiveness more on the songs than on the singers. Miss Kirsten gives a sweet and amiable performance which is acceptable enough, but MacRae seems to be a victim of thickening vocal chords. His voice, which in other circumstances has had a fresh and vigorous quality, here takes on the wooden tone that was once Nelson Eddy's forse. Romberg's score has so much basic vitality that one would like to hear it treated in less pedestrian fashion.

Michel Legrand Big Band: "Plays Richard Rodgers." Philips 200074, $3.98 (LP); 600074, $4.98 (SD).

Legrand's tendency to be different simply for the sake of being different frequently gets in his way in the course of these performances. He leans heavily on unexpected arrangements, often blending several different types within a single selection. There is no denying that this gives one something to listen to—and to this extent it is preferable to the routine shimmering strings or mood music approach to Rodgers. But it is essentially a show-off approach in which the focus is Legrand rather than Rodgers, the basic quality of whose work is often lost in the shuffle. While this is not to say that there is not something profitable to be gained from an inquisitive and adventurous look at such familiar material as is involved in this disc, it is to say that Legrand could stand some editing. The best thing in this set is The Lady Is A Trump, in which Paul Gonsalves on tenor saxophone and one of the three pianists involved in the proceedings gets things going so firmly before Legrand starts constructing his personal edifices that the whole piece comes out quite satisfactorily.

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Controversy over the various techniques
bundled together under the trade name
of Dynagroove continues to flourish—
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lustrations of its characteristics. I hope
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can forget almost all about the Dynagroove
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Meanwhile, one has to attempt to account
for such contradictions as appear in the pres-
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tacular" is both the most technically am-
bitious and the most aurally exciting of
the discs at hand. I know of few re-
leases that have risked such extreme
dynamic contrasts; and while the re-
cording and disc cutting accommodate
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transients and ultrasharp fortissimo highs
are earsplitting indeed. The mono edi-
tion is perhaps a bit less piercing than
the SD, but neither can be heard com-
fortably at drastically reduced volume.
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of inherently baleful con-
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with the high-end glitter reduced to a
more tolerable brightness yet with all the
vivid presence of the midrange re-
tained intact. There too you can form
a better documented judgment of Ramin's
desperately fancy scorings of such hits as
Blue Tango, Syncopated Clock, River
Kwai March, Holiday for Strings, River
on Sunday, etc.

Schory's no less virtuoso performances of
more imaginative arrangements pro-
vide much more ingratiating entertain-
ment, notably in the atmospheric Sum-
mertime and Sleepy Time Gal, bit-
quent Playboy's Theme and Quiet Bossa Nova,
and a propulsive Night Train. The strict-
ly percussive elements are not excessively
featured, except perhaps in drummer Joe
Morello's showpiece Shim-Wha. For the
most part they are discretely exploited
in delectable solos and antiphonal duos
for vibes and tubaphone (a variety of
marimba). Technically too, the recording
itself is more satisfactory than Ramin's—
a fact I ascribe less to any possibly mini-
malized application of specifically Dyna-
groove technology than to Schory's in-
sistence on embodying (as in all his ear-
erly releases) a generous measure of
warmly natural Chicago Orchestra Hall
reverberation. Again, though, highs tend
to be overstrident: over-all spectrum bal-
ance and vividity, as well as the stereo-
genic scoring ingenuities, are best evident
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forms I've ever heard so crisply recorded.
The "presence" is probably somewhat
overemphasized by extremely close mik-
ing, but the acoustical ambience, while
not as warmly expansive as Schory's, is
certainly not artificially deadened. And
there is no lack whatever of low-end son-
coustic contribution to balance what must
be an ultrasonic extension of the high
end to account for the fantastically clean
transient response. In either edition the
extraordinary technical qualities here de-
mand every audiophile's admiration. Hap-
ply, there are also striking musical and
executive attractions as well. Cavanaugh and
his exuberant sidemen, playing mostly
ly originals of their own devising, mi-
raculously succeed in creating what is
essentially a hard-driving, brass-and-percussion
style involving elements of swing and Dixieland
yet never falling into clichés. Their now
jaunty, now hard-driving, but always
impressively propulsive and bravura per-
formances of such diversions as
Pick Yourself Up, Barefoot Adventure,
Down Home, Black Boots, The Swingin' Saints,
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a disc compatible both to mono and
stereo playback). Whatever the process
involves, it achieves a clarity and realism
that further strengthen Mobile Fidelity's
reputation for uncommon technical ex-
cellence. The surfaces, as with all Poly-
max pressings I've heard, are exa-
ordinarily quiet, even though this benefit
exposes all the more candidly a con-
tinuous background hum apparently
"built into" the outdoor recordings them-
selves. The present materials boast an
interest which, in at least one case,
transends the normal newscaster or
railroad buff: the MF 11 program is the first,
to my knowledge, to be de-
voled entirely to diesels (Southern
Pacific EMU F-75, SD-9, ALCO DP
12-135, and others). It is also one of
the most impressive yet for its stereo-
genics, being recorded mainly near the
famous Tehachappi Loop, where the
tracks wind around a mountain—provid-
ing opportunities not only for pass-bys in
the railroad sense but also for distant
circling effects.

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on the Pomona and perhaps other Cali-
ifornian quarter-mile tracks. The jacket
notes information is meager, but some
details on car and background color are
provided by a narrator, and information
about the cars and their speeds may be
gleaned from the public address an-
nouncements included—if not always
with complete intelligibility. The materi-
als are reasonably varied, none of the
bands is extended to the point of com-
plete monotony, and the recording itself
is vividly authentic even in the mono
dition. In stereo the inclusion of un-
ambiguously directional motion makes
for greater realism, but the effectiveness
is somewhat flawed by a hole-in-the-
middle jump—presumably resulting from
too wide mike spacings.
R. D. Darrell
Thirteen years ago we introduced the “Williamson Type Amplifier Kit”. It represented a breakthrough in “do-it-yourself” high fidelity. For the first time a truly high fidelity amplifier was made available in kit form at an "easy-to-afford" price. The old WA-1 and its successors including the famous W-5 provided high fidelity listening pleasure to hundreds of thousands of music lovers across the nation. Ever since, Heath's history has been one of major advances in the hi-fi/stereo field. And now today, another first from Heathkit! Heath's newest... an all-transistor Stereo Receiver Kit, incorporating the latest in solid-state circuitry, at a price far below similar units...only $195.00!

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Kit AR-13...30 lbs. ........................ $195.00

Specifications – Amplifier: Power output per channel (Heath Rating): 20 watts/1 ohm load, 13.5 watts/15 ohm load, 6 watts/60 ohm load. (Harmonic Music Power Rating): 33 watts/8 ohm load; 18 watts/15 ohm load; 16 watts/4 ohm load @ 0.7% T.H.D. 1 KC; Power response: +1 db from 15 cps to 30 KC @ rated output; +2 db from 100 cps to 60 KC @ rated output; Harmonic distortion (at rated output): Less than 1% @ 20 cps; less than 0.25% @ 1 KC; less than 1% @ 20 KC. Intermodulation distortion (at rated output): Less than 1% @ 20 cps; less than 2% @ 1 KC; less than 3% @ 20 KC. Dynamic range: 40 db @ 20 KC, 60 db @ 1 KC, 40 db @ 20 Hz, Input sensitivities: 10 watts output, per channel, 8 ohm load: Mag., phone, 8 MW; Aux., +25 v; Aux. 2, +10 v. Input Impedance: Mag., phone, 35 K ohm; Aux. 1, 100 K ohm; Aux. 2, 100 K ohm.

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KLH RESEARCH AND DEVELOPMENT CORPORATION
30 CROSS STREET, CAMBRIDGE 39, MASSACHUSETTS
Charlie Byrd: "Once More!" Riverside 454, $4.98 (LP); 9454, $5.98 (SD). Adding four cellos and a French horn to his regular group on some selections, and a trumpet and vibraphone on others, Byrd seems on the point of exhausting his association with bossa nova. It is a pleasant enough set, but neither material nor performances have the charm or interest of his earlier efforts in this vein. The cellos occasionally create a soft, warm cushion that is a satisfying complement to the sharp sound of Byrd's guitar, but they do not always swing as readily as they might. The trumpet-vibraphone pairing is less than satisfactory. Byrd plays well, but this is one of his less inspired sessions.

Bill Evans Quintet: "Interplay." Riverside 445, $4.98 (LP); 9445, $5.98 (SD). Evans, whose piano work with his own trio leans towards a gentle, brooding probing of tunes, is heard in a very different context here. His quintet, which includes Freddie Hubbard, trumpet, and Jim Hall, guitar, attacks five standards and an Evans original. The medium-tempo, straight-ahead, swinging style might have developed into something interesting if the approach had not been so matter of fact. The three principals rattle off adequate solos in a manner that suggests very little apparent conviction or interest.

Erroll Garner: "A New Kind of Love." Mercury 20859, $3.98 (LP); 60859, $4.98 (SD). One of the elements that has always been present in Erroll Garner's highly individual piano style is a large dollop of Hollywood romanticism. The climax of a Garner ballad often quivers with rich, slightly overripe harmonies straight out of a Hollywood background score. Because he has used this device with humor and for the pure dramatic pleasure of overplaying, it has become a strong and effective implement in his hands. But now Fate has caught up with Garner. He has written music for an actual movie score and, with a lush set of strings behind him, he plays it with his typical amiable romanticism. There is, however, a bit of a difference here from the generally lean, straight-ahead, melodic performances that Garner gives with his trio: with a whole Hollywood orchestra to carry the melody for him, he allows himself the luxury of lots of trickling decorative phrases. As a consequence, Garner tends to dilute himself in these performances. He has created a trio of pleasantly romantic tunes—"Fashion Interlude," "Paris Mist," and Theme for "A New Kind of Love"—and he fills out the disc with songs from old Chevalier movies—"Mimi," "Louise," and "You Brought a New Kind of Love to Me."

Lionel Hampton: "On Tour." Gladhump 1005, $3.98 (LP). For the past twenty years Lionel Hampton has led one of the most mysterious big bands in existence. It is constantly loaded with brilliant young talent, talent that usually shows its brilliance once it gets out of Hampton's seminary and goes on its own. For the most part the band has little opportunity to show its potential because it is either engaged in endless, routine riffs while Hampton jumps on his drums, or—in its calmer moments—it plays lulling backgrounds for Hampton's vibraphone solos. This disc, recorded before audiences at the Olympia Theatre in Paris and at the Metropole Café in New York, concentrates on Hampton's vibraphone to the exclusion of practically everything else. His suave talent on ballads and his walloping momentum on faster tunes continue undimmed, but his choice of material, as exemplified in this program, has its ups and downs. On one selection he allows a sideman, a tenor saxophonist, Andrew McGhee, to have an unstructured solo (the tune, after all, is called McGhee) and the saxophonist plays in such a delightfully soft, sinuous, and dancing a manner that one finds oneself wondering what other pleasures are perhaps being hidden in this band.

"A Jazz Salute to Freedom." CORE 100. CORE 38 Park Row, New York 38, N.Y., $5.00 (Two LP). As a fund-raising device the Congress of Racial Equality has put together a two-disc set of jazz performances drawn from the Roulette and Roost catalogues and including a number of memorable recordings. At $5.00, the album repays its modest outlay. There are a pair of classics from the bop era. Charlie Parker's "Klute" (with Miles Davis). and the Parker/Dizzy Gillespie "Groovin' High." There is Art Tatum's dazzling treatment of "Dark Eyed with Slam Stewart and Tiny Grimes, the early and yeasty Erroll Garner playing "Love for Sale," a joining of forces by Louis Armstrong and Duke Ellington on "Cotton Tail," and a beautifully romping Stan Getz performance of Strike Up the Band. Other notable contributions come from Bud Powell, Count Basie, Sarah Vaughan, Joe Williams, the trombone duo of J. J. Johnson and Kai Winding, John Coltrane, and Woody Herman. As a sampling of post-World War II jazz, the set covers a broad middle area extremely well.

Curtis Jones: "Lonesome Bedroom Blues." Delmar 605, $4.98 (LP). Jones is a still vital exponent of the blues that flourished in the period when the focus was shifting from the country to the city. He is in the Big Bill Broonzy tradition without being merely an imitator. But more than that, he is also an excellent blues pianist who perceptively accompanies his own singing, often adding rolling, boogie-board keybaord passages to his vocal performances. Jones has been recorded frequently before, but this collection has particular value in revealing his piano work, which adds a very special flavor to his style.

Jaco Louisier Trio: "Play Bach Jazz." Vols. 1 & 2. For a feature review including these recordings, see page 67.

Charlie Mariano: "A Jazz Portrait." Regina 286, $3.98 (LP); 5 286, $4.98 (SD). Charlie Mariano, after years of going along as one of the better Parker-derived alto saxophonists, has begun to show a strong individual personality since his return to the United States from Japan last year. There is an intensity in his playing that makes his performances consistently bristle with excitement. Continued on next page.
**JAZZ**

Continued from preceding page

Whether he is using his phenomenal virtuosity on fast pieces or striking hard and passionate sparks from a slow ballad. This disc places him in three different settings—with an excellent big band, with strings, and at the head of a quintet made up of former Stan Kenton trumpeter Marvin Stamm and a rhythm section. Don Sebesky’s arrangements for all three groups have been written with unusual skill and imagination, evoking the big, sweeping sense of excitement that can be generated on a big band, giving the strings some validity in a jazz context, and filling out the sound of the quintet in amusing fashion. Within these settings Mariano plays a varied succession of strongly stated and beautifully balanced performances. Stamm has a better opportunity to show his potential in these surroundings than he did with Kenton; but while he has a clean, punchy manner and is a helpful secondary to Mariano, his own musical personality is still a bit diffuse.


This is a real sleeper from France—a group of performances by varied groups of French musicians (plus the American saxophonist Lolly Thompson on two occasions) that are brimming with warm expression, rhythmic, and lyrical playing. There are reflections of Count Basie's style here, and there is a quintet that is pure Benny Goodman. But most of all there is the great sheltering shadow of the Duke Ellington band. The Ellington style has proved to be doggedly immutable, but these French musicians, without going after the total Ellington ensemble sound, play very much in the Ellington manner with the help of a brilliant alto saxophonist, Michel Attanou, who has absorbed Johnny Hodges' rich swinging tone and attack, and of a trombonist, Claude Goussert, who is expert at being the big, broad, singing tone of Lawrence Brown and Tricky Sam Nanton's growling use of muted. Attanou also plays excellent soprano saxophone (again, Hodges is the influence) on an interesting treatment of Tin Roof Blues. Thompson is in fine form in his two selections, on both of which pianist Martial Solal is also heard. A trumpeter, Sonny Gray, does splendid work, both muted and open, all through the set. Pochonet, the leader, is an unostentatious drummer (he does not take a single solo) now living in the United States.

Swingle Singers: "Bach's Greatest Hits." For a feature review including this recording, see page 67.

In a day when the emphasis in jazz falls almost completely on the solo performer, Paul Winter provides a welcome and hopeful change. Winter is an organizer and a promoter in the sense that Duke Ellington is, for instance. He has assembled a group and kept it together without copying or following a fad (he has been in on the bossa nova wave, but he was one of the first to discover and use this Brazilian music). Nor has he depended on a solo personality. Winter is himself a very capable alto saxophonist, and his sextet has other able solo voices—Jay Cameron, baritone saxophone; Dick Whitsell, trumpet; and Warren Bernhardt, piano. But what impresses one on this disc is the group as a whole. It is an ensemble, not a set of soloists. The members listen to each other, complement each other, and build selections as a unit. The program is varied, spirited, and constantly interesting. All things considered, Winter's Jones has given constituents as hopeful a sign for the future of jazz as has turned up in many years.

John S. Wilson

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CIRCLE 74 ON READER-SERVICE CARD

JAZZ

Continued from preceding page

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John S. Wilson
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CIRCLE 51 ON READER-SERVICE CARD
The following reviews are of 4-track 7.5 ips stereo tapes in normal reel form.


David Oistrakh, violin; Lev Oborin, piano.
- **PHILIPS** (via Bel Canto) PT 900031. 62 min. $8.95.

These latest Oistrakh-Oborin versions of the famous Kreutzer and the even more lyrical last Beethoven violin sonata are drawn from a European "Grand Prix" complete series not yet available in this country in its entirety. While the somewhat academic performances are not especially profound or subtle, they are admirably authoritative and straightforward. In any case, they are doubly welcome on tape: as the first example of any Beethoven violin sonatas in the reel medium, and as models of well-nigh ideal stereo chamber music recording. The miking is not too close, yet there is superbly natural presence both to Oistrakh's tautly spun (if sometimes a bit sticky) violin tone and to Oborin's more emphatic but gleamingly sonorous piano qualities. The exaggerated stereoism itself is extremely effective not only in its differentiation and blend of the two instruments (with the violin slightly left of the well-centered piano) but also in preserving the acoustical warmth of a properly moderately small hall or studio.

The balances are fine, with the piano never relegated to the background but allowed to ring out boldly just as it would in a live concert. And, apart from a few slight preëchoes, the tape processing is first-rate (the trace of background hum in the quietest passages seems to have been built into the master recording rather than to stem from tape-surface noise).

**MASCAGNI: Cavalleria rusticana**

Victoria de los Angeles (s), Santuzza; Franco Corelli (t), Turiddu; Mario Sereni (b), Alfio; et al. Chorus and Orchestra of the Rome Opera, Gabriele Santini, cond.
- **ANGEL** ZB 3632. 71 min. $15.98.

The relatively short length of this favorite opera, which demands an awkward three sides in disc editions, fits neatly on a single reel midway between regular and twin-pack tape length. But for once the loss of the fourth-side disc "filler" is regrettable. Most reviewers of the disc edition found its supplementary excerpts from *Guglielmo Rutcliffe*, *Iris*, and *Le Maschere* more attractive than the main work. and I must agree that the present *Cav* is relatively colorless. There is of course the expected able vocalization by De los Angeles and Corelli (and better acting by Sereni), but in general both conductor and cast give a performance that suggests a self-conscious concert version rather than a genuine theatrical enactment.

While this is an exceptionally silent-surfaced and well-processed tape transfer, the recording itself is lacking in sonic depth and low frequency weight. A wholly satisfying *Cav* is still needed on tape—but if you just can't wait, London's 1961 version starring Simionato is less likely to disappoint you than this one.

**OFFENBACH: Overtures (6)**

Vienna State Opera Orchestra. Hermann Scherchen, cond.
- **WESTMINSTER** WTC 162. 42 min. $7.95.

Listeners who associate Scherchen primarily with modern music and serious classics (often played with unusual deliberation) should not fail to hear him kick up his heels in a holiday mood in some of the most effervescent musical curtain—and spirit—raisers ever written! For all the exuberance of these performances there is never a lapse into slapdash playing—indeed the orchestra reminds us anew that Offenbach's gifts for piquant scoring were nearly as great as those for creating catchy tunes and rhythms. Of the six overtures here only that to *Orpheus in the Ends* has been taped before, as far as I know. And while excerpts from some of the others (*La belle Helene*, *La Vie parisienne*, and *La Grande Duchesse de Géraldine*) may be familiar from *Guigiot de Paris* and other edited and reassembled Offenbachiana, *Barbe-bleue* and *Monsieur et Madame Denis* are sure to be novel even to connoisseurs. And what fun they are! This is a reel I can confidently recommend to all listeners. Even technical purists are not likely to be bothered by the fact that the brightly clean stereoism may have been processed with a slight channel-balance tilt towards the left, a few preëchoes, and perhaps just a bit more surface noise than in today's very best tapes.

**RACHMANINOFF: Concerto for Piano and Orchestra, No. 3, in D minor, Op. 30**

Tchaikovsky: *Concerto for Piano and Orchestra, No. 1, in B flat minor, Op. 23*

Vladimir Ashkenazy, piano; London Symphony Orchestra, Anatole Fistoulari, cond. (in the Rachmaninoff), Lorin Maazel, cond. (in the Tchaikovsky).
- **LONDON** LCK 80125 (twin-pack). 77 min. $11.95.

No better vehicle than Rachmaninoff's Third could have been chosen for Ashkenazy's tape debut: the present performance reveals to perfection the young Russian's most characteristic qualities of searching musical intelligence, exquisite digital control, and distinctively fresh lyr-

Continued on page 99
“Gives a surprisingly well-rounded picture of what’s available on records.”

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Each reviewer stands high in his field—Nathan Broder, for example, reviews Bach and Mozart. Alfred Frankenstein the moderns . . . Paul Affelder the romantics, Robert C. Marsh specializes in Haydn and Beethoven . . . Conrad L. Osborne writes on opera recordings. Forthrightly, they discuss the composition, performance and fidelity. And they compare new recordings with earlier releases.

You’ll find the reviews organized alphabetically by composer for quick, easy reference—and in the case of composers frequently recorded, further subdivided by such categories as Chamber Music, Vocal Music, etc. You’ll find, too, a special section on Recitals and Miscellany. And an Artists’ Index, an Index of nearly 1300 Performers that many will find extraordinarily valuable.

Writing about previous editions, The SATURDAY REVIEW pointed out RECORDS IN REVIEW “gives a surprisingly well-rounded picture of what’s available on records and most reviews describe the work as well as the performance, providing each annual with a permanent use.”

The Pittsfield, Mass., EAGLE critic, Milton R. Bass, wrote “I have found the reviews in HIGH FIDELITY to be the most discerning and informative of any publication in the country . . . the book is a must for the serious record collector.”

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THE TAPE DECK
Continued from page 97

tical eloquence. Fistoulari's plastically contoured orchestral accompaniment ideally complements the soloist, and between them they reveal the felicities of details normally lost in one of Rachmaninoff's most intrinsically woven scores. The Cliburn/Kondrashin live performance taping (RCA Victor, September 1960) was a good one too, if in a more overtly romantic vein, but it is surpassed here in interpretative subtlety as well as in sonic purity.
The Ashkenazy/Maazel Tchaikovsky, also included in this flawlessly processed twin-pack reel, boasts some fresh insights; but, with the exception of a truly electrifying finale, this performance is less decisively outstanding and less likely to displace the famous Cliburn/Kondrashin RCA Victor version in public favor. Yet no previous taping of the work matches the present one in recording attractiveness.

ROSSINI: Il Barbiere di Siviglia
Victoria de los Angeles (s), Rosina; Luigi Alva (t), Il Conte Almaviva; Sesto Bruscantini (b), Figaro; et al.; Glyndebourne Festival Chorus; Royal Philharmonic Orchestra, Vittorio Gui, cond.
- • Mercury (via Bel Canto) ST 90330. 63 min. $8.95.

Although the present coupling appeared on request to tape purchasers. The tape processing, too, is admirable: each of the two acts is complete on a single reel, and while there are a few very slight preéchoes, there is minimal surface noise and no spiff-overs at all. Our long wait for a taped Barber of Seville has been well rewarded.

Detroit Symphony Orchestra, Paul Paray, cond.
- • Mercury (via Bel Canto) ST 90330. 63 min. $8.95.

The taped repertory of complete operas is already so extensive that one is shocked to realize that this latest of four stereo Barber on discs is the first to appear in reel form. Fortunately, the present Glyndebourne production is one of the best, as well as the most complete and authentic. The usual cuts and interpolations have been eschewed. Gui has gone back to the original manuscripts for many passages usually heard only in later revisions, and of course Rosina's part is sung—as Rossini intended—in the mezzo range rather than in an upward transposition by a coloratura soprano. Perhaps some listeners will miss the familiar virtuosic (if not necessarily more dramatic) approach, and the more slapstick comedy style which have become well-nigh traditional in this work. But more of us will welcome Gui's straightforward treatment and the less forced yet always sparkling humor and verve of the present performance. Miss de Los Angeles' Rosina is piquantly girlish as well as vocally charming; Brus- cantini's Figaro is robustly vivacious and conspiratorial without exaggerated bravura; and if Alva's Almaviva is more conventionally Italianate and less distinctive, all these and the other leading characters are superbly blended and differentiated in the great ensemble scenes (the Act II Quintet in particular) which represent the quintessence of Rossini's genius.

There is luminosity, buoyancy, and authentic tonal substance in Angel's recorded sonics, and the stereogenic stage spacings are theatrically appropriate. (Notes and libretto booklet are available on a single disc only recently (in Mer- cury's "Great Romantic Music" reissue series). The original recordings date back to 1958-59. Yet except for some slight low-end thickness, they sound much better now, thanks to a first-rate tape transfer, than they did then, when they were generally criticized as rather hard and dry. Paray's readings are character- ized by more Gallic verve and briskness than romantic passion, and hence Schu- mann connoisseurs probably will cling to the Seidl No. 1 for Epic (November 1962), despite its only so-so recording and processing, and to Bernstein's original score taping of No. 3 for Columbia (January 1963). The Mercury tape offers

Continued on next page

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THE TAPE DECK
Continued from preceding page

the economy of both works on a single reel, however, and personally I enjoyed Parry's approach much more than I had expected.

TCHAIKOVSKY: Capriccio Italian, Op. 45; Marche slave, Op. 31; 1812 Overture, Op. 49

New York Philharmonic, Leonard Bernstein. cond. • • COLUMBIA MQ 574. 41 min. $7.95.

Hackneyed program though it contains, this reel offers multiple fascinations. Some are sheerly musical: the rhythmic precision, expressiveness, and enthusiasm Bernstein brings to the overfamiliar works. Others are technical: the subtle differences between recordings made in different locales (Brookly's Hotel St. George for the Capriccio, New York's Philharmonic Hall elsewhere); the solid impact of the electronic "cannon" in the 1812 finale—perhaps even more dramatic than the real guns sometimes featured; the slight but felicitous sonic improvements which this tape transfer reveals when A/B'd against the disc edition (reviewed last October). Apart from slight preechoes, the tape processing itself is very good, partially reducing the background noise or hum I noted in the stereo disc. Even more interesting is that the not unusual high-speed dubbed-tape softening of the extreme highs is actually beneficial here—eliminating most of the pinched tone qualities of the disc's fortissimos yet with no loss of real brilliance and indeed a considerable gain in sonic lucidity and more equitable spectrum balance.

In short, no matter how many other versions you may already have of these Tchaikovsky showpieces, you will still find profitable rewards in the present editions—not least of that of hearing the often erratic Bernstein at the top of his form. And at this best there have been few conductors since Koussevitzky in his prime who can generate more thrilling listening excitement.

VERDI: La Traviata
Joan Sutherland (s), Violetta; Carlo Bergonzi (t), Alfredo; Robert Merrill (b), Germont; et al. Chorus and Orches-

tra of the Maggio Musicale Fiorentino, John Pritchard, cond. • • LONDON LOG 90069. Two reels: approx. 62 and 71 min. $19.95.

This latest Traviata was analyzed in such detail by Conrad L. Osborne in the disc review and Verdi discography appearing in this journal last October that only a few supplementary notes are needed for the particular consideration of potential reell-edition purchasers. As far as the tape layout and processing are concerned, there is nothing but praise: the former eliminates some of the mid-side breaks in the earlier RCA Victor taping by conveniently presenting Acts I and III each complete on a single reel side; the latter boasts extremely quiet surfaces (a faint trace of background hum in the quiet beginning of the Act III Prelude probably built in the master recording) and complete freedom from preechoes and spill-over.

Where the comparative attractions of the present and the earlier tape versions are concerned, a choice isn't easy. Although the London recording is admirable for its luminosity, purity, and unexaggerated stereosism, that by RCA Victor easily surpasses it in sonic body and impact as well as in a wider dynamic range. And while I didn't find Miss Moffo's acting entirely convincing when I first listened to her performance (August 1961), she now strikes me—at least in comparison with Miss Sutherland's vocally beautiful but dramatically languid Violetta—as considerably more spirited. The London version has the advantages of consistently fine singing and genuine score completeness (even if the restoration of conventional cuts is of no special musical value); RCA has those of richer sound and a more lively performance. In the end the decisive factor is likely to be the individual listener's soprano preference between Sutherland and Moffo.


The prime appeal of Kenton's program, which includes many of his old hits in new arrangements, lies less in their considerable effectiveness as big band bossa nova performances than in their welcome revelations of the pianist-leader and his usually blistering winds in relatively relaxed and often richly poetic moods. The scorings are beautifully done, and although there are occasional moments when the brasses roar or scream a bit, there are many more of expressive and colorful sonic enchantments—especially in the bouncy title piece (by Pete Rugolo), the haunting Kentonova and Concerto, a catchy Loco-Nova, and a surprisingly delicate Opus in Chartreuse. Glowing stereosism and flawless tape processing add a final polish to the often sumptuous sonorities here.

There are still further sonic charms, of a quite different nature, in the brashly expressive playing of Kenny Bur-

rell. He is backed by two other guitarists, a rhythm section starring two very fine and subtle bossa nova percussionists, occasional rhapsodic trumpet solos by Clark Terry, and sax or flute solos by Jerome Richardson. Different Worlds is a seductive charmer; The Lamp Is Low, Sung of Delilah, One Mint Julep, Tin Tin Deo, and Star Eyes are outstanding in their blend of lyricism and rhythm-ic verve. Burrell's recording merits listening performances throughout. This tape too is admirably recorded (a bit more crisply and less reverberantly than Kenton's),


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and it is processed with, if anything, even quieter surfaces, and with the same freedom from preëchoes and spill-over.


This twin-pack documentation of a live concert (June 9, 1962) reveals—more candidly than any carefully controlled studio session—the pop star’s vocal limitations, yet it also demonstrates more vividly his remarkable magnetism. The cleanly transparent recording has an authentic “live” quality, if no great sonic weight, and the mixing seems considerably more distant than is customary nowadays. While all this may cut the soloist’s voice down to life-size and expose some of his weaknesses, it makes his eventual triumph all the more genuinely earned. Especially effective here is the long but well-varied Glory Road; there are also fine performances of Love Is Here To Stay, Anything Goes, Blue Velvet, What Goes Up Does It Do?, etc. The deft orchestral accompaniments (occasionally featuring Candides bravura percussion solos) are a model of their kind. Bennett’s informal spoken commentaries are good too. My only objection concerns the excessive audience applause.

“Five Feet of Soul.” Jimmy Rushing: Orchestra. Al Cohn, cond. Colpix CXC 605, 32 min., $7.95. The blues-shouting and jazz-charged ballad styles of the exuberant and ageless Rushing are perhaps not to everyone’s taste, but what a welcome contrast they provide to the limpness of most pops—and even jazz—vocalists of today! Even in his great years with the Basie and Moten bands, Rushing never sang better than in the present My Bucket Has a Hole In It, Please Come Home, Did You Ever?, etc. The strong, vibrant recording and live acoustics do full justice both to the soloist and to Cohn’s animated, if sometimes almost too sophisticated, accompaniments. Several top-rank jazz soloists are starred; most effective of all is pianist Patti Brown.


Two exceptionally arresting debut programs by fresh pop-folk talents. Miss Gold is as yet a minor league star, but with much to learn about enunciation, rhythm, and projection of personality, but she is already a charmer—especially in the tender lullaby Sweet Potatoes, the touching I Once Loved a Boy, and the more vinousy Eltinge Katie Cruel. Her future releases are to be anticipated, but I hope they will provide better information on the program materials. It is not even stated here whether the soloist plays her own attractive accompaniments—a single guitarist (sometimes rather disconcertingly separated from the voice itself) except in the Spanish-American

Continued on next page
The Tape Deck

Continued from preceding page

ballad Plane Wreck at Los Gatos, for which two guitars are used in somewhat excessive spacing.

Addiss and Croft are more assured than Miss Gold and choose more varied materials. They sing with an infective verve, humor, and vocal appeal that remind me (different as the individualities concerned may be) of Josef Maras's first recorded appearances many years ago. The new duo is very amusing in the name-dropping title song, and the only too topical Missle Song and Twelve Days with Khruschev, but I liked even better the chanting of such magnificent tunes as the famous The King Went Forth (Agincourt Song) and a Couter's Candy (Australian?) that is brand-new to me. There are also a lilting Elizabethan I Saw Her; a buoyant Whale and Back Band; a fresh and surprisingly un-sentimentalized Goin' Home; and one of the very few performances I know that does full justice to Ann Ronell's Willow Weep for Me. Quite closely miked but with good acoustical warmth, this well-recorded and immaculately processed tape is a real discovery. Only its annotations are deficient: background information on the program material would be much more useful than an account of the duo's concert successes.


I praised warmly both the recording and performances of this fine concert band program in its disc edition (February 1963). The playing again is impressive here, the sonics are even better: for once a tape version boasts not only more substantial lows and superior channel differentiations but a slightly brighter high end and more equal spectrum balance. (There are, however, some pre-echoes and occasional indication of spill-over in the quiet-surfaced tape processing.) Perhaps the big showpieces here (The Great Gate of Kiev from Mussorgsky's Pictures and Elsa's Procession from Tannhäuser) are works best left to orchestras, but Bonelli's Symphonic March, Rachmanninoff's surprisingly jaunty if almost vulgar Italian Polka, Bilk's American Civil War Fantasy, and Leocuna's Carnival Procession are all ideal for band. And for sheer virtuosity few concert bands—even professional)—could top the present performance of the Polacca from Weber's Second Clarinet Concerto (with the collegians' full clarinet choir playing in perfect union) and Agossini's Divertissement for Three Trumpets, in which four different cornet and trumpet trios are featured.

"The World of Miriam Makeba."

Miriam Makeba; Orchestra, Hugh Masekela, cond. RCA Victor FTP 1227, 34 min., $7.95.

Miriam Makeba's one world is unified by the infectious warmth and conviction of a protean artist, equally at home in African dialects, Portuguese, English—and probably other languages as well. Particularly appealing here are Little Boy, Amampondo, and Dubula, among others. My only critical reservation is over an occasional slight commercialization (the hint of Lennonisms in Wonders and Things; the emotionalization of Where Can I Go?). And I would have enjoyed more frequent occurrences of Masekela's extraordinary muted-trumpet solos over these intoxicatingly rhythmical and colorfully scored orchestral accompaniments. The stereo recording is extremely vivid and broadspread (with the soloist well centered and apparen-ently not too close). It is one of the best examples of Dynagroove technology in the nonclassical genre, an happy state of affairs perhaps resulting from a combination of some natural reverberation with a few discreet touches of echo-chambering.

Ampex Standard Reproduce Alignment Tape, Ampex 31321-04, 7 min., $21.95 (on special order only).

Here is an invaluable tool of the highest professional caliper for technicians and experienced audiophiles who own and know how to use proper auxiliary response measuring devices. I single it out for attention here as a sort of postscript to my test record article of last month. In that survey I had originally hoped to include test tapes too, but there proved to be none in print which is primarily designed for general use at home. Indeed, apart from two RCA Victor test tapes in 3.75-ips "cartridge" form, the present 31321-04 reel seems to be the only means available today of making accurate dynamic tests of 4-track playback operations and of making optimum vertical adjustments of 4-track playback heads. Its high cost is substantially justified by the exceptional care with which it has been prepared and processed (at cost-one-to-one ratio). 7.5-ips speed on lab-calibrated and standardized equipment. It includes (recorded on tracks 1 and 3 only) spoken directions on procedure and announcements of the frequency runs: one minute of 0-db 3-kec tone for vertical head adjustments (which may be checked by turning the reel over and testing for complete absence of spill-over into the blank tracks 2 and 4); thirty seconds of -10-db 15-kec tone for making optimum azimuth adjustments of the playback head; ten seconds of each of nine frequency spots at -10-db (12 kc to 50 cps) for checking frequency response and preamp equalization; and fifteen seconds of each of 700 cps at -10-db and 0-db levels for setting VU meter levels.

The Audio Division of Ampex Corporation, Sunnyvale, California, also offers a considerable variety of full-track lab-standard alignment tapes for special professional purposes, including filter measurements and intermodulation calibrations.

CCIR and AME (as well as NAB) equalizations, at 15 and 3.75 (as well as 7.5) ips. A descriptive price list is available on request.
weeks before the Nazi Anschluss and, like Das Lied von der Erde, was recorded in concert “with coughing and banging of seats” to use Walter’s deprecatory description. Fred Gaisberg of HMV, who directed the recording, called it “the swan song” of Mahler’s own orchestra, sung in the historic Musikverein. Surely it was the swan song of Walter’s career in Central Europe until after World War II. Perhaps for this reason, perhaps for others, he never was very enthusiastic about the set, and I think it is now beyond question that he would want it put aside for the stereo version. I would be fully in agreement.

MENDELSSOHN

Concerto for Violin and Orchestra, in E minor, Op. 64

In view of his rapport with the early romantics, Walter strangely neglected their music on records. There is an unimportant Philharmonic disc of the Midsummer Night’s Dream Scherzo (plus a couple of acoustics), but this is really the sole Mendelssohn document of any stature. Milstein never made a finer concerto album. The gypsy quality in his playing is firmly controlled, perhaps through Walter’s influence, and the dancing lyricism of the music beautifully set forth. A new edition ought to be forthcoming.

MOZART

La Clemenza di Tito, K. 621: Overture

There is plenty of sound on this disc, and Walter’s gift for capturing a sure Mozartean pulse was never better displayed. In the absence of a later recording, this score is badly missed. A “Great Recordings” reissue is in order.

Concerto for Piano and Orchestra, in D minor, K. 466
Bruno Walter, piano; Vienna Philharmonic Orchestra (1937). Odeon COLH 36.

This is the supreme documentation of Walter as a pianist, as well as one of the finest recorded statements of this score. I do not understand why the new edition has never been released in this country, but happily the importers can supply the European “Great Recordings” issue on the Odeon label. No collection of Walter records is comprehensive without it. The general character of the performance is romantic, with a Chopin-esque cadenza by Reinecke that would seem rather out of place were the manner of interpretation more austere in character. But the concerto itself is this approach, and Walter carried it through with a degree of consistency in style and manner, making this performance a lasting memorial to the grand manner of the past century.

Concertos for Violin and Orchestra: No. 3, in G, K. 216; No. 4, in D, K. 218
Zino Francescatti, violin; Columbia Symphony

phony (1958). ML 5381 or MS 6063 (stereo).

Francescatti and Walter were an ideal combination in the concert literature, and we must be grateful that they included these lovely and too frequently neglected works in their recording schedule. As in the concerto above, the lyric emphasis is uppermost, and it leads to some beautiful playing.

Così fan tutte, K. 588: Overture
3) Columbia Symphony (1961). ML 5756 or MS 6356 (stereo).

I omit discussion of an acoustic version of this score, and the first two of the electrical recordings can be set aside. The number of editions, however, attests to Walter’s affection for the music. I think that the final try, which was expertly captured in stereo, has all the felicity he was hoping to realize in these grave and witty pages.

Deutsche Tänze, K. 605

Distinctly entertainment music, but charming, these three dances (the last is the famed sleigh ride) are best heard in the second version.

La finta giardiniera, K. 196: Overture
(First movement only)

The absence of a later version makes this performance more than worthy of reissue. (I would even like a refurnished edition of Walter’s Idomeneo Overture, ancient and acoustic though it be.)

Maurerische Trauermusik, K. 477
2) Columbia Symphony (1961). ML 5756 or MS 6356 (stereo).

Walter loved this music and, as will happen in his Mozart, was sometimes carried away by the sheer beauty of it. I detect no self-elegizing in the second version, though it comes from his final recording sessions, but the earlier set offers a more tightly focused and direct performance.

Minuets: in G, K. 568; No. 12, in F, K. 599, No. 5

More entertainment music, again achieved with charm and grace.

Le Nozze di Figaro, K. 492: Overture
1) British Symphony Orchestra (1932). 68133 (78 rpm, OP).
3) Columbia Symphony (1961). ML 5756 or MS 6356 (stereo).

Again, there is an even earlier acoustic
version, which can be forgotten along with the 1932 effort. If you prefer a very fast, brilliant performance of this music, the first of the Columbia Symphonic editions is the one to have. I am, however, charmed by the effects secured by the slightly slower pace and more flexible breadth of phrase in the second American version, and the advantages of stereo are not to be dismissed either.

Requiem Mass, in D minor, K. 626
Irmgard Seefried, soprano; Jennie Tourel, mezzo; Léopold Simoneau, tenor; William Warfield, baritone; Westminster Choir; New York Philharmonic (1956). ML 5012.

In his performances of this music in the later years of his career, Walter finally took the steps to revise Süssmayr's "routine" instrumentation of Mozart's unfinished score, particularly the excess use of trombones which had, for Walter, a "tiring effect on the ear" and lacked the authority of having been included in the composer's sketches. The present recording is thus of value as a document of a great conductor's editing of a masterpiece, but of course its primary effect is that of an exceptionally fine performance. The reverberation time is longer than I normally approve (the sessions were held in Carnegie Hall), but it does not seem to do any harm. The chorus is especially fine, and the solo quartet is made up of four individually notable singers, though Tourel does not seem to match the others in her interpretative approach.

Der Schauspieldirektor, K. 486: Ouverture

Once more the second version is somewhat more broadly stated than the first. In this case I find the earlier performance to be wittier and more gallant.

Serenade for Strings, No. 13, in G, K. 525 ("Eine kleine Nachtmusik")
1) British Symphony Orchestra (1931). X 19 (78 rpm, OP).
2) Vienna Philharmonic Orchestra (1936). Odeon COLH 36.

The fallacy of talking about "Walter's Mozart" as if it were a fixed thing is nowhere better demonstrated than in his four versions of this serenade. It was always one of his favorite works, and his affection always shows; but the manner of performance ranges from a very fast, tightly stated version at first to a rather loose and, regrettfully, ineffectual account at the end. I am most in agreement with Walter's tempo here when it is quick, which is to say the first, second, and final movements from 1931 and the third from 1954. However, the recording of the British Symphony set is very antiquated, but Walter students will find it of interest. The second edition has a big orchestra in a highly resonant hall (the Greater Musikerinnsaal). The performance is as full of Schlagobers as a Viennese sweet shop. This leaves us with the third, which offers very pleasing high fidelity sound and the best of the recorded performances of the past thirty years.
personal pantheon, and Goethe's concept of "natural man vs. corrupting society" probably reinforced Walter's strong anti-mechanistic tendencies. He was suspicious of anything combining more working parts than a baton. Gadgets were personal enemies, and the looming world of the computer and the electronic-mathematical composer filled him with despair. Despite this, he was genuinely enthusiastic about stereo if someone would subdue for him the treacherous phonographic beast. He confessed that our "new records" had advanced so far he no longer got pleasure from hearing his old ones.

His antipathy to gadgets extended even to his glasses, whose perpetual opacity I struggled to overcome with ineffectual Kleenex on those rare occasions when he needed them. Lotte catalogued his attempts to abandon them in all restaurants and dressing rooms of the Western world, and added that certain Hollywood waiters were now trained to recover and return the leather case upon departure as a matter of routine. Walter enjoyed this kind of teasing immensely and told her she was lucky he didn't feel the same way about his children.

A close association with Bruno Walter was necessarily a rich one. Defined by music, it was also constructed with kindness, humor, and morality in its profoundest sense—all measured in the different life pulse of a now vanished world, a world of savored time where a Bruckner symphony was a pleasure too quickly spent. It is still very difficult to recall the list of projects planned and never now to be completed: the Schumann Symphonies, the Brahms Requiem, the Mahler Fourth and Fifth Symphonies, Fidelio. Each of these unfertilized seeds brings its own peculiar pain. The only anodyne is a group of records occupying eight inches along a library shelf: the legacy of one hundred unforgettable sessions of music making, and a treasure worthy of its creator.

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any historical approach, and I think it is also the better realization of the music.

Symphony No. 38, in D, K. 504
2) Columbia Symphony (1959). M3L 291 or M3S 691 (stereo); ML 5894 or MS 6494 (stereo).

There is no comparison in sound between these editions, but the Vienna performance appears to me to be the stronger of the two musically. Both show a tendency to slow tempos, but in the Vienna performance there is a little more sense of drive.

Symphony No. 39, in E flat, K. 543
1) BBC Symphony (1934). RCA Camden CAL 237 (OP).
3) Columbia Symphony (1960). M3L 291 or M3S 691 (stereo); ML 5893 or MS 6494 (stereo).

The British set has a very beautiful, romantic statement of the slow movement and deserves to be remembered on that account. Taking performances as wholes, the second is probably the most consistently successful (it certainly is best in the final two movements). On the other hand, if the first movement is your favorite, the stereo edition dominates, because here Walter obviously achieves all he has been trying to say in these pages. Unfortunately, he then allows the slow movement to become somewhat lush and the pulse to grow less emphatic elsewhere.

Symphony No. 40, in G minor, K. 550
1) British Symphony Orchestra (1930). M 182 (78 rpm, OP).
3) Columbia Symphony (1959). M3L 291 or M3S 691 (stereo); ML 5894 or MS 6494 (stereo).

Walter has said that he was overcome with the feeling of responsibility in performing this work, and it was not until quite late in his career, when he was about fifty years of age, that he added it to his repertory. Walter was fifty in 1926, and by the time he made his initial recording the basic outlines of his performance were established, though they were still to achieve full refinement. The Philharmonic version best represents that peak, I think. It is a tighter, more expressive, more forceful statement than the later one, and better exemplifies the vigor Walter could achieve in Mozart's most eloquent pages.

Symphony No. 41, in C, K. 551 ("Jupiter")
4) Columbia Symphony (1960). M3L 291 or M3S 691 (stereo); ML 5655 or MS 6255 (stereo).

Of the four recordings of this work, no two are alike. The Vienna set is very sentimental, and I find that quality alien to this music. The first New York...
THE HERITAGE OF BRUNO WALTER

Continued from page 105

version has a wonderfully quick finale which is never duplicated, while the new Columbia Symphony set has an equally effective realization of a much slower approach. The second Philharmonic edition is outstanding for its minut. The first two movements are the key to the score, however, and here the fourth version appears greatly superior to its predecessors.

Die Zauberflöte, K. 620: Overture
3) Columbia Symphony (1961). ML 5756 or MS 6356 (stereo).

For Walter this opera was Mozart's "spiritual testament," and it is tragic that we do not have the entire work from him on records. There is a great sense of nobility in his final version of the Overture, enhanced by the stereo engineering, but there is greater musical force in the performances of earlier years. My choice would be the initial Columbia Symphony version.

Vocal Accompaniments

If we do not have a complete Mozart opera from Walter, we do at least have a substantial quantity of Mozart's vocal music, sung by leading singers of Walter's American years with orchestras under his direction. The discs in question are, naturally with regards to be of interest for the singing than for the conducting, but I list them in compact form with the suggestion that a rather interesting historical set could be assembled from these materials.


Don Giovanni: No. 4, "Madamino, il catalogo..." Ezio Pinza, ML 5239; No. 23, "In quali eccessi... Mi tradi," Eleanor Steber, ML 4694 (OP); No. 25, "Crudele!... Non mi dîr," Eleanor Steber, ML 4694 (OP).


Il Re pastore: No. 10, "L'amerò, sarà costante" (Saint-Saëns cadenza), Lily Pons, ML 4217 (OP).

Der Schauspieldirektor: No. 2, "Bester Jüngling!" Eleanor Steber, ML 4694 (OP).

Die Zauberflöte: No. 14, "Der Hölle Rache;" Lily Pons, ML 4217 (OP); No. 15, "In diesen heigen Hainen;" Ezio Pinza, ML 4036 (OP); No. 17, "Ach, ich fühls," Eleanor Steber, ML 4694 (OP).

Concert Arias

Mentre il lusso, o figlia, K. 513, Ezio Pinza, ML 5239 (OP); George London, ML 4699 (OP); Rivolgete a lui lo sguardo, K. 584, George London, ML 4699 (OP).

Church Cantatas


SCHUBERT

Rosamunde, Op 26: Overture (Magic Harp); No. 5, "Entr'acte No. 3; No. 9, Ballet, in G" Columbia Symphony (1955). ML 5156.


These two records document Walter's performances of the best-known sections of the Rosamunde score, with the spirit of the playing unchaged and the quality of sound always good enough to please the ear. Walter succeeds with the light, romantic Schubert more consistently than with the heroic Schubert of the C major Symphony. These are important items in his discography.

Symphony No. 5, in B flat
2) Columbia Symphony (1960). M2L 269 or M2S 618 (stereo).

The differences between the two performances are slight, but the recording of the second is so much clearer and more refined that it easily takes precedence. The first set might benefit from a faster tempo, but this is a very beautiful and sensitive performance.

Symphony No. 8 in B minor ("Unfinished")

The Vienna set is surpassed by the two later ones, in which finer engineering adds to the impact of even stronger performances. I have a great deal of affection for the Philadelphia edition, which well conveys the characteristic sound of that ensemble. However, as a whole, the newer version must be regarded as the more important document. Stereo adds a great deal, and the performance seems to sum up everything Walter wished to achieve with this music. No other conductor gives the Unfinished quite the same romantic quality while retaining the same sense of control, nor has anyone else achieved an equivalent balance between lyric and dramatic elements.
I am forced to conclude that this work never was one of Walter's great achievements. Of his contemporaries, Toscanini and Furtwängler both easily surpassed him, primarily because of their greater ability to cope with its problems of form. Among Walter's recordings, the one from London provides the most tightly focused statement of the score. The sound is not very pleasant, however, and it may go into the discard as a result. The third version, in contrast, has quite lovely sound, and I would take it over the Philharmonic version on that account, even though it provides virtually the only instance in the Columbia Symphony series where I feel I am hearing an old man's performance of a work.

**SCUMANN**

Concerto for Piano and Orchestra, in A minor, Op. 34
Eugene Istomin, piano; Columbia Symphony (1960). ML 5494 or MS 6159 (stereo).

There is no sentimentality in this performance, which achieves a warm, romantic quality while remaining brisk in tempo and very much to the point. If you agree that sensitivity sometimes benefits from a degree of emotional reserve (which is to say, emotional control), you will find this a particularly satisfying statement of the score. The orchestral playing under Walter is obviously a complete fulfillment of his wishes, and this (coupled with stereo) makes the set the finest documentation we have of the conductor's approach to Schumann.

Dichterliebe; Frauenliebe und-leben (1941). ML 4788.

Although more important in the Lehmann discography than in the Walter, the collaboration of these artists gave us one of our few real glimpses of Wal- ter's pianism in his later years. The performances are historic and acceptably recorded, the value of the disc hardly open to dispute.

**SMETANA**


Walter had a gift for Bohemian music, first revealed to American listeners with a now ancient-sounding London Symphony disc of the Bartered Bride Overture. For years this Moldau held high favor in the domestic catalogue, and its charm remains, though the registration of the ensemble appears severely faded by contemporary standards.

**STRAUSS, JOHANN II**


American audiences almost never associated Bruno Walter with light music, though Berlin audiences could recall that one of his first great successes in his native city was a production of The Mikado. The seven works listed above comprise his entire recorded repertory of Johann Strauss. If his older versions from among the first six listed above had come from Vienna, their interest might be sustained; but only one of them (that of the Emperor Waltz) was Viennese in origin, and indeed the Blue Dan-
STRAUSS, RICHARD

Don Juan, Op. 20
1) Royal Philharmonic Orchestra (1928). 67386-87 (78 rpm, OP).

Walter's first version of this music was considered outdated long before the advent of high fidelity, and we can let it pass. The second is much the better performance, a Don Juan that is essentially lyric and amusing rather than a reflection of the pessimistic side of Lenau's hero. It is the best document we have of Walter as a Strauss conductor. There is no doubt that Walter respected Strauss the composer and played his music with the conviction born of these feelings, but during the Nineteen Thirties and Forties there were complications resulting from the activities of Strauss the man. To Walter one of these was the painful memory of 1933, when the Nazis forced the cancellation of his concerts and Strauss willingly stepped in to fill a Berlin engagement from which Walter, in his own words, "had been forcibly removed." With such thoughts in his mind as he left the city of his birth, it is not strange that Walter usually chose other composers for his recording activity.

Der Rosenkavalier: Waltzes and Act II Finale

In the great absence of operatic recordings by Walter, the lack of a Strauss opera—especially this Strauss opera—is conspicuous. With the exception of an inferior Berlin recording of Salome's Dance (67386-87, 1928), this is all we have of Walter playing music of the operatic Strauss. Mayr also sings the Act II Finale in the somewhat later Heger set (GGR 4001) in Angel's "Great Recordings of the Century" series, but the Walter is worth recalling.

Tod und Verklärung, Op. 24

Walter was present when Strauss directed the Berlin premiere of this work in the 1890-91 season. He reports in his autobiography, Theme and Variations, that he felt "puzzlingly overwhelmed" by it, an emotion that may have led to the decision to make this the first of the Strauss recordings—an acoustic production of the early Nineteen Twenties with the Royal Philharmonic. The New York recording is not notable for its engineering, but it is thirty years closer to us in time, even though the music struggles against the bonds of medium-fi monophony. When I reviewed this disc I remarked that "the sense of attending on the conductor and his art is real." I find that still true, and this quality of immediacy makes up for a great deal of sonic deficiency.

WAGNER

Der fliegende Holländer: Overture
1) Royal Philharmonic Orchestra (1928). M 68 (78 rpm, OP).
2) Columbia Symphony (1959). ML 5482 or MS 6149 (stereo).

At the age of thirteen, as a student in Berlin, Walter heard a performance of Tristan and Isolde, and for the rest of his young manhood was a champion of Wagner. (With greater age and experience he turned to Mozart, whom he began to view in a new, and more realistic, light as the greatest of all the operatic composers.) In time more than two dozen Wagnerian selections went on discs under Walter's baton, but many are even earlier than the 1928 set listed above, and replaying them conveys only a shadowy sense of the original. It is interesting to note that Walter's approach to the Dutchman remained basically unchanged over the three decades spanned by these two recordings. The new version is an excellent performance; the recorded sound can be improved by a roll-over point at 800 cycles.

Die Meistersinger: Prelude
Columbia Symphony (1959). ML 5482 or MS 6149 (stereo).

Walter first recorded this work with a British pickup orchestra, but there is no point in comparing the two. The new version is much the finer performance, full of the magic of being in love, and recorded with splendid use of stereo technique.

Die Meistersinger: Prelude Act III
British Symphony Orchestra (1931). X 43 (78 rpm, OP).

Surprisingly rich in sound for all its three decades, this is a reading filled with a...
sense of noble sorrow and dismay at human folly, not ill suited to the state of man and Europe in that fateful year. I take it as a very personal document of Walter's heart, and as such it deserves rehearing. From the same period and orchestra, existing as performances, are recordings of the Dance of the Apprentices and Entrance of the Mastersingers, originally issued in this same set.

Parzival: Prelude and Good Friday Spell Columbia Symphony (1959). MS 5482 or MS 6149 (stereo).

Walter made an extended series of Parzival discs with the Royal Philharmonic in the 1950s. None of them, even among the very first electrical recordings put out by English Columbia. I find them technically inferior and musically less significant than the Bayreuth Festival series of 1927 under Karl Muck and Siegfried Wagner. There is as much of the sensual as the spiritual in Parzival, and in his 1959 performance Walter brings out the warm, fleshly quality of the music, producing religious art more in the style of R Strauss than of El Greco. For me this is in no way disconcerting, and with rehearing I am increasingly of the opinion that Walter's is one of the greatest of all recorded statements of these familiar extracts from the score.

Der Ring Des Nibelungen

Die Walküre: Act I (complete); Act II, Scene 3 (Siegmund-Sieglinde duet); Scene 5 (Conclusion) Lotte Lehmann soprano; Ella Flesch, soprano; Lauritz Melchior, tenor; Alfred Jerger, baritone; Emanuel List, bass; Vienna Philharmonic Orchestra (1935). Act I only, Angel COLH 133; Act I and scenes from Act II, Odeon 80686/88.

Apart from some private off-the-air recordings of performances from his Metropolitan period, this is the nearest thing we have to a complete opera recording in the serious direction. It also documents, in a way, his last post as artistic head of an opera house, for Walter became director of the Vienna State Opera in 1936 and remained there until Hitler's "liberation" of 1938. Thus these records give us not merely a great conductor and director, but working with singers of the highest artistry, but they preserve the flowering years of a theatre which was about to become the victim of war and Nazi Kultur. It is unfortunate that Angel did not see fit to include the Act II scenes in its "Great Recordings" transfer, but happily the complete recording is available through import channels on Odeon.


There are acoustical versions of both these works and an even earlier electrical attempt at the Rhine Journey, but if Walter's performances of this music are to be recalled, the above-mentioned are the crucial ones. Despite dated sonics, the basic substance of two powerful readings is preserved. The Rhine Journey, incidentally begins with the dawn music, offering a somewhat fuller, text than one normally hears (except in the Toscanini version).

Siegfried Idyll

1) Royal Philharmonic Orchestra (1924). L 1653/34 (acoustic 78 rpm, OP).
2) Royal Philharmonic Orchestra (1928). M 68 (78 rpm, OP).

Since Walter recorded this work more times than any other, I feel obliged to cite all six versions, though the first three of them can be quickly dismissed. I take them as stages in the development of a great performance which is finally heard, with full beauty and richness of concept, in the Vienna edition of 1935. This is one of the basic documents of Walter's art, and its revival is overdue. The New York Philharmonic performance is of refinement, quite unexpected. Even more different both in detail and in approach. Tempos are faster and the line more tightly drawn, rather as if Walter were momentarily under the influence of Toscanini. It too remains a lasting document.

The final version is not as unified in its interpretative viewpoint, and for this reason I find it less satisfactory despite the beauty of many passages as heard in stereo.


This is perhaps the most perfect, certainly the most atmospheric, of Walter's Wagner recordings. For all its familiarity the opening theme of the prelude has a mystical quality that excites the imagination, and even the somewhat coarse tunes which follow have freshness, indeed refinement, quite unexpected. Even more impressive is Walter's skill in pacing the work, which here moves through a succession of well-prepared climactic passages to a fine sense of resolution. Generally, the Venusberg music gets off to such a wild start that the quiet close fails to make much of an impression, even with a choral assist. Walter manages it in such a way that the whole performance moves towards those quiet pages, rather than providing a lessening of tension, here they impose a mood that actually serves to heighten the effect. The recording is one of the best technically, with particularly fine brass registration.

WEBER


One of the disappointments in the Walter discography is the lack of representation of Weber, for he was unsurpassed in this literature. The only thing he recorded was the Freischütz Overture, but the disc cited (which replaced an acoustic one) is certainly better than nothing. The performance is a highly atmospheric one, beautifully phrased except for some faulty horn notes. Certainly, it ought to be available somewhere in a "Great Recordings" collection.

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A Soupcon of Vibrato

Continued from page 55

and lack of steadiness in tone. Another commented for the beauty of her "steady, clean vocal tone."

Presumably, instruments imitated vocal vibrato in the remote past, and they have gone on doing so with unabated enthusiasm. Wind players can produce vibrato by superimposing an artificial pulse upon the stream of air before it reaches embouchure or reed, enriching and delicately ornamenting the frequently deadpan 'basic" sound of the instrument. In the hands of Léon Goossens, the oboe so flourished, though not without opposition. When Goossens joined the London Philharmonic as first oboe, at Beecham's request, the story goes that prior to the first rehearsal Sir Thomas asked for the customary A and Goossens obliged. "Take your choice, gentlemen," said Beecham, and the rehearsal (as so often with him) began on a merry note. Flutists can produce a vibrato fairly easily (Mr. William Kincaid, former first flute with the Philadelphia Orchestra, had a beauty), but clarinetists, with the exception of Reginald Kell and one or two others, find it difficult. Listening to the Philadelphia recently at a concert, I noticed the odd effect produced in the Waltz from Tchaikovsky's Fifth Symphony when clarinet and bassoon play that angular and syncopated phrase in octaves: the clarinet sounded straight as a rod, but the bassoon vibrated passionately, and all I heard was a series of augmented and diminished octaves in rapid succession. Before microgroove, I owned a recording by Albert Wolff and (I think) the Lamoureux Orchestra of Paris, playing Méhul's Overture Le jeune Henri, and for the first time in my life I heard a French horn vibrato—a crucial introduction to other brass vibratos in which French orchestras seem to specialize.

Keyboard instruments have by no means been immune, for the organ has had its Vox humana stop from very early times, caused then as now by two ranks of pipes slightly out of tune with each other. The more vulgar, however, overripe fruit of a mechanically induced air supply, has been so long abused in the cinema organ that the instrument has died of the complaint. So far only the electronic experts can make a mere piano vibrate, far surpassing the efforts of a John Cage or a Henry Cowell to modify the timbre of that noble instrument. But the clavichord: this has a built-in vibrato, called "Bebung" in all the old treatises, and of all such effects one of the least intimate and lovely. For some reason, the clavichord has so far resisted all attempts to record it successfully, but the day may dawn when the phonograph will present this highly expressive sound in all its quiet glory. By pressing a key, and (while maintaining enough pressure to keep the string vibrating) moving it very slightly and quickly up and down, the most exquisite vibrato can be produced by a skilled and sensitive player. The notes are made to "sing," just as a harpsichord "speaks." The behest of a chromatically minded conductor.

First and foremost an attribute of the singing voice, vibrato has enjoyed a difficult and at times confused career. Even if Leopold Mozart and others felt it to be the most exclusive property of circus clowns, there are fine artists today who will see to it that the vibrato is used intelligently, ornamentally, and above all in a way that does not fetch it from being turned off once in a while. They have only to watch a bird flying through the air, moving its wings to gain speed and height, and then stopping this motion altogether, gliding without effort, gracefully. Perhaps thus can some celestial body devoid of all need for propulsion. As Carl Flesch said, quoting a French epigram: "There is something even more agreeable than beauty, and that is change."

Thrust, Dust, and Friction

Continued from page 52

chemical effect and leaves little residue. (Detergents, by the way, may have more effective antistatic action than the alcohol or glycols.) Silicones, as already indicated, are greases, and are suitable for use only with 1-mil and 0.7-mil styli operating at pressures above 2 grams.

My own feeling is that with the small stylus operating at pressures of 1 gram or thereabouts, it is safest to use a dry brush or velvet pad to keep the record free of dust, and to use a liquid only occasionally. When records are handled carefully so that fingerprints are avoided, there will be little need for a solvent. If records have become very dirty and marred with fingerprints, they can be washed in a very clean dishpan in lukewarm water in which a little household detergent has been dissolved. With a very soft, clean cloth or a piece of velvet pile wipe the record lightly with a circular motion along the grooves. After rinsing in clean water, dry with a very soft piece of moist chamois, and touch the edge of the record to the sink faucet to dissipate its static charge.

The modern plastic record, incidentally, is very prone to acquiring an electrostatic charge. In playback this charge produces pops and crackles. It also attracts dirt and dust. The tendency is greatly increased if the records are stored in a very dry room or rubbed with a dry cloth. The several liquids mentioned above minimize the building up of a

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static charge and will also discharge one that has been built up. For a very highly charged record, I have found the most effective treatment is washing in detergent as detailed above. Incidentally, a simple way to verify whether a record is heavily charged is to tear up a bit of newspaper, moisten the pieces, place them on a very clean surface, and then bring the record close to them. If the pieces of paper jump, rise, or cling to the record, it is heavily charged.

Actually a record is not likely to pick up dust from the air in a reasonably clean home in the brief time it is being played. Unfortunately, in many installations records are exposed to a very high concentration of dust and dirt by the owner's failure to keep the turntable itself clean. A turntable left uncovered when it is not in use will accumulate a layer of dust even in a few days, and in homes where the kitchen is not vented with a fan, it may be contaminated by grease from cooking vapors. If a turntable is not used, the record picks up this dirt either by direct contact or by electrostatic attraction. For this reason, every record player should be covered with a dust-tight shield when it is not being used. If your model is not supplied with such a cover, a suitable one can be constructed at a record shop or audio supply house.

In addition to being covered, the turntable should frequently be wiped clean. Indeed, wiping the turntable may minimize the need for wiping the record itself and thus the danger of scratching it; a turntable with a rough surface, it may be cleaned with the nozzle of a vacuum cleaner.

Among further hazards to records is the danger of their developing minute scratches when they are removed from or inserted into their sleeves. During playback, a larger stylus tracking at pressures above 2 or 3 grams has enough force to smooth out the burrs formed by a scratch, and is large enough to glide over its indentation. But, again, the smaller stylus tracking at lower pressures can neither "de-burr" nor glide over the scratch as readily, and will produce an audible pop or crackle—often mistakenly ascribed to a static charge. To avoid such scratches, the greatest care should be taken in handling your records. A procedure I follow is to brace the sleeve against a surface (cabinet top or my own hip!) with enough pressure to open the sleeve into an oval. I then remove the record by holding it only at the rim with a light pinch of the fingers. In this way, only the rim, and not the surface, rubs against the sleeve. To guard against acquiring a record badly scratched through careless initial insertion into its sleeve at the factory, while I am still in the record shop I very carefully inspect the surface for visible scratches before making my purchase.

Yet another possible source of pops, clicks, and distortion is the imprinting on the record surface of irregularities on the surface of the sleeve or, worse yet, the wrinkles in the very light plastic inner envelopes used for some records. If the records, or the cartons containing them, are stacked horizontally in a hot warehouse, the imprint can make the record almost unplayable. My own rule is to dispose of these thin transparent sleeves immediately. And, again, at purchase time, any record that shows such a pattern on its surface other than the pattern of the grooves should be rejected.

Correct storage also is germane to record longevity, and is related chiefly to warping. Warping in records is caused by unequal pressure on the surfaces, or unequal exposure to the drying or moistening effect of the air, or by any condition which releases the tensions established in the record during its molding process. There is only one safe way to store records. They should stand vertically without leaning against adjacent records or surfaces and without being subjected to too much pressure. The simplest way to insure this is to stand the records on shelves in compartmented sections snugly but not too tightly packed, so that the records are always vertical but no force is necessary to pull them out. I recommend this method in the stack.

As for drying or humidity effects, records like pretty much the same air conditions as people do—temperature in the region of 70 degrees, and humidity from 25 to 50 per cent. However, even in a home in which both temperature and humidity are carefully controlled, records can be exposed unwittingly to adverse conditions. They should not, for instance, be stored near sources of heat, such as ducts or radiators. The summer sun hitting a record for an interval can raise the temperature to a point where the inner strains are released and the record warps severely. Warping is also encouraged by a cycling of temperature such as would occur in a room which is heated by day but permitted to become quite cold at night. There is no effective cure for a warped record. One proposal is to place the record under a concentrated weight, such as a pile of telephone directories, and then subject it to the same conditions of heat and humidity that caused it to warp. This technique sometimes has been known to flatten a warped record, but the pressure exerted against the groove can do further harm.

A final possible cause of damage to the record is the growth of fungi. Vinyl itself is quite resistant to fungi, but the paper labels and the sleeves permit their growth and in extreme cases the record can be etched by the acid excretions of such colonies. In a very moist environment where fungus growth has been known to be a problem in general, records should be examined frequently for evidence of fungus growth, which of course should be cleaned off immediately.
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