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GUGLIELMO MARCONI

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ANTIQUE RADIO CLASSIFIED

Publishing Details

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Purpose

Antique Radio Classified is published for people involved in the radio collecting hobby. Its purpose is to stimulate growth of the hobby thru the buying, selling, and trading of radios and related items. In addition, there will be coverage of upcoming radio conventions, meets, flea markets, etc. Other items of interest to collectors will be included in issues as material or suggestions are received.

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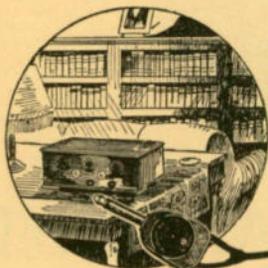
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TELL YOUR FRIENDS
TO PLUG INTO AN
A.R.C. SUBSCRIPTION



This issue is devoted mainly to Guglielmo Marconi and some of the items he was responsible for. The Forest Hills Wireless Museum, photos included in this issue, has on display many Marconi Company made items. I hope you enjoy this special issue. Some of our regular columns had to be deleted for this month, but will be seen in the upcoming issues.

We would like to continue bringing you fine articles such as those appearing in this issue, plus a little "gingerbread", such as the front cover of the May issue which was done in color. As you may expect, these extra touches require a great deal of planning, time, and money. As A.R.C. is approaching its second year of publication, I would like to reflect on some important points. The first year has been very difficult as the support needed has not been what I had anticipated. I have been continuously asking for your support in the way of articles and also photos for our various columns, such as the *Photo Review* column and our new *Crystal Set Review* column. Those that have contributed so far can be counted on both hands. If you cannot show some type of support for this publication, then A.R.C. will suffer, and in the long term, you and the hobby could lose a valuable publication - one that aims to unite the hobby! Needless to say, more subscribers are needed to keep A.R.C. above water. Again I *urge* you to tell your collector friends about A.R.C.

TIDBITS: We have started three new columns - namely the "Telegraph Review", "Crystal Set Review", and "What Is It" columns. These columns will be run in conjunction with our other columns on a frequent basis. I hope you find them informative, and if you can contribute anything to these new columns or the others, the better we can serve you . . . Don't forget about the two big radio meets coming up, the A.R.C.A. meet this June in Buffalo and the A.R.C.I., "Radiofest '85", in August at Rockford, Illinois. If you have problems getting reservations at the Clock Tower Inn at Rockford, I have been told there is a Red Roof Inn across the street . . . Seems to be much interest in Bakelite and Celluloid radios lately. Perhaps one of our readers could write an article on this new collectable . . . In the April 24th *Antique Trader* paper there is a short article about collecting Zenith Trans-Oceanic radios. Might be of some interest to some of you . . . Received some reports of a radio hobby publication in the southwest U.S. that has been running their subscriber's classified ads for periods longer than requested by the advertiser. A nice way to fill up pages - but no doubt a reaction to the presence of A.R.C.

In closing, I would like to remind you that renewals will be coming up shortly (details next month). If you feel A.R.C. serves your needs, then your renewal would be appreciated. We continually strive to present you, in a timely manner, a publication to serve your needs in the buying and selling of radios and related items. Wouldn't it be nice if you could place an ad in A.R.C. and reach 99% of the collectors in the hobby. With your promotional efforts this could become a possibility - think about it! (GBS)



CRYSTAL SET REVIEW

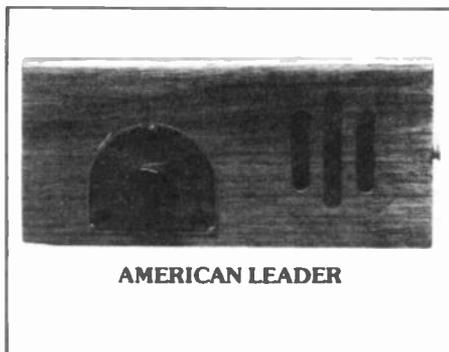
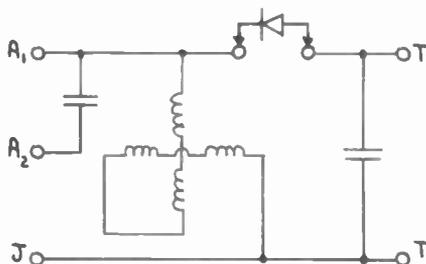
CONTRIBUTED BY: MIKE FEHER, 9100 TRAVELLER ST., MANASSAS, VA 22110

One of the more interesting collectables in the radio collecting hobby is the crystal set. Many manufacturers made these sets in countless shapes, styles and variations. It is the intent of this column to present in pictorial form many of these crystal sets and to add further documentation to the little that is currently available. Collectors are encouraged to submit B&W photos and descriptions of crystal sets in their collection. (GBS)

ERICSSON CRYSTAL SET: The crystal set pictured is made by the Ericsson Company of Stockholm, Sweden. The case is made out of turned wood and it is 6.25 inches in diameter and 1.5 inches high. The panel is made out of hard rubber. The set is an excellent performer as far as selectivity. For tuning the set uses two coils wound in a figure "8" form. The tuning control varies one of the flat figure "8" coils with respect to the other coil. Tuning is similar to the operation of a variometer, where the tuning inductance is a function of the coils position relative to each other. The set has two antenna inputs. One input goes straight thru to the inductor and detector and the other thru a capacitor in an attempt to increase tuning frequency range. The schematic of the set is also shown, and it is very typical of crystal sets of the era. I estimate that the set was manufactured in the mid twenties. The plug-in detector is interesting in that it is not of the typical interchangeable European style. The detector is vertical and the glass piece with the support assembly and cats whisker unplug independently from the crystal. The crystal also unplugs and I expect that various mineral types were available. Although not pictured, I also have the matching earphones made by the Ericsson company. However, I must admit that while the phones are pretty, they are not very sensitive. Stations that were good copy with a pair of mica Baldwins could not even be detected with the Ericsson phones. (Mike Feher, Manassas, VA)



ERICSSON CRYSTAL SET



AMERICAN LEADER

AMERICAN LEADER POCKET RADIO: This cute little set measures 5.5" by 2" by 2.5". The set was manufactured by American Leader Products Company of Chicago, Illinois. I do not have any information on the set but I expect it to be from the 30's judging from the style. Tuning is accomplished by a slider on a coil wound on a square tube. The slider is attached to the knob on the front panel. The detector is fixed, there is no cats whisker to adjust. There are fanhstock clips on the back of the set for the antenna and the ground. There is a little door on the right of the set which houses a single earphone. The knob on the door is visible in the photograph. (Mike Feher, Manassas, VA)

GUGLIELMO MARCONI

Guglielmo Marconi was born of an Italian father and an Irish mother, and his early years were centered upon their spacious country house near Bologna. He received only a patchy education and never reached the level required for university entrance. At the age of twenty he began to experiment with radio waves, then known as "Hertzian" waves after Heinrich Hertz, who had discovered them seven years previously. Marconi was interested in the waves as a means of achieving "wireless telegraphy" - a possibility that had not occurred to any scientist who had investigated them on account of their great significance to theoretical physics.

By the tireless application of "trial and error", Marconi improved existing techniques for radiating and detecting waves until he could communicate over a distance of two kilometers. Being unable to interest the Italian authorities in his work, he came to England with his mother to seek support for further development, and obtained an introduction to the Engineer-in-Chief of the Post Office. There followed a year of test and demonstrations under Post Office patronage, during which Marconi received considerable publicity, and in July 1897 a Company was formed for the commercial exploitation of his patents.

Marconi divided the infant Company's efforts between promoting wireless telegraphy as a new mode of communication and carrying out research to bring it to full practicality. At that time receivers were untuned and transmitters radiated a wide spectrum of frequencies, so that mutual interference prevented simultaneous use of two transmitters in the same area. Though Oliver Lodge anticipated Marconi in patenting solutions to this problem, Marconi was the first to embody a useful degree of tuning in practical apparatus. By 1900 the Company had demonstrated wireless telegraphy in an impressive variety of circumstances, with range sometimes exceeding 100 kilometres, and in that year began to install equipment in ships, which was to be the main application of wireless telegraphy for many years.

Marconi had repeatedly demonstrated that, contrary to existing theory, radio waves could reach well beyond the horizon, and he now set out to prove that the range of communication was limited only by the power of the transmitter. With an audacity that shocked his fellow Directors, he ordered stations of unprecedented power to be build at Poldhu, in

Cornwall, and at Cape Cod, Massachusetts, with the intention of establishing two-way communication across the Atlantic Ocean. When the project was nearing completion, a flaw in design caused the massive aerials at both stations to be blown down by gales. Marconi modified his objectives and carried on undeterred; on December 12th, 1901, at St. John's, Newfoundland, he received the Morse letter "S" transmitted from a makeshift aerial at Poldhu, on a rudimentary receiver whose aerial was held up by a kite.

This spectacular achievement won even greater fame for Marconi, but six years of further effort were needed to develop it into a regular transatlantic service, imposing a serious burden on the Company's finances. Meanwhile the number of ships equipped with Marconi apparatus (which employed an ingenious magnetic detector devised by Marconi himself) increased steadily, reaching 250 by the end of 1910, and an extensive network of shore stations was built to serve them.

During the 1914-18 war, Marconi served his native Italy as a technical adviser to her armed services and also as a diplomat, in which capacity his familiarity with the United States, and his high standing there, were a particular value. His technical work included the development of a short-range radio link operating on a wavelength of only two or three metres, and after the war Marconi reflected that the high-frequency end of the radio spectrum had perhaps been too readily dismissed as valueless. He accordingly embarked on the investigation of short-wave propagation, using his luxury steam-yacht *Elettra* as a floating laboratory. This work led the Company to its short-wave "beam" system which revolutionized long-distance radio communication, hitherto reliant upon the use of very high power at very long wavelengths.

The last ten years of Marconi's life were clouded by recurrent heart attacks, but he nevertheless continued to carry out significant experiments on the application of ultra-high frequencies, on one occasion having *Elettra* steam into harbour guided only by the beams of a u.h.f. beacon.

His unique blend of vision, skill, persistence and business acumen enabled Marconi to transform radio from a scientific curiosity into an important medium of communication. (*Reprinted from the Science Museum - England.*)



FOREST HILLS WIRELESS MUSEUM

Phil Weingarten -

THE MAN WHO LOVES MARCONI'S WIRELESS

By John Milton Williams, ARCA, AWA, MTC

A trip to Phil Weingarten's Forest Hills Wireless Museum is a bit like a kid's visit to a candy store! The endless goodies on display there are enough to make any serious radio collector salivate with envy and desire. And just when you are staring greedily at what seems to be the ultimate piece of wireless wonderment, you realize that just to the left or right of that particular delight is yet another plum of radio history to further whet your appetite.

If there's such a thing as an early-wireless "sweet-tooth," this is the place to indulge it to the fullest. Luckily, it's a gluttony that never adds an inch to your waistline, but immeasurably increases your knowledge of radio's beginnings.

Phillip Weingarten, the soft-spoken dynamo who keeps this private museum running, is a good-natured, intelligent man who was born in 1914. He probably has more all-around knowledge of early wireless apparatus than any man I've encountered so far. He has a passion for early Marconi gear that is evidenced by his awesome and unequalled collection of early British and American Marconi apparatus that dates from 1900 to 1920, with a sprinkling of later pieces. His vast library of rare books and catalogs contains more information about Marconi than you would think possible.

I, too, am fond of Marconi apparatus, but my few minor pieces seem so insignificant when I behold Phil's fantastic display of multiple tuners, magnetic detectors, keys, coherers, wave meters, early tubes and audions. And if all this unbelievable Marconi collection is not enough to impress any collector, it is surrounded by what seems to be an endless array of IP 500's, 501's, Wireless Specialty, Adams Morgan, Murdock, Grebe, and almost anything else you can think of. To top that off, there are the Telefunken, Slaby-Arco, French and Scandinavian spark transmitters and receivers, if you're into the early European

gear. And if your interests are in the field of early television, I recently saw an RCA TRK-12, TRK-9, and TT-5 in his garage. (TV is not one of Phil's passions, but he often finds these rarities and trades them for - you guessed it - Marconi apparatus!)

Phil does not come by his interest in early wireless accidentally. He explains that his life-long interest in radio started in the early twenties, when he made his first crystal set with a Quaker Oats box. He used a (liberated from MA Bell) 75 ohm telephone receiver that worked well enough to lure him into an eternal romance with radio. Before long, this limited crystal set was not enough to satisfy his craving for better reception. So, with money earned from chores, he bought a Crosley Pup with a WD-11 tube, as well as a No. 6 dry-cell for the tube filament and a 22½ volt Burgess B Battery for the plate current. His bed springs made an excellent aerial, and he usually fell asleep at night with his headphones over his ears. As you might have guessed, most of his spare money was spent replacing the burned-out WD-11's he'd find in the morning. Phil laughs when he says it was a small price to pay for his glorious entry into the magical world of radio!

After finishing high school, Phil worked part-time as a salesman at Leotone Radio Shop on Dey Street in lower Manhattan. At night he attended the prestigious RCA Radio Institute. After graduating, he took a job at Blan Radio where he honed his skills well enough to be hired as a service expert by Leeds Radio on Vesey Street.

All these jobs were on New York's famed "Radio Row", an area in lower Manhattan that began on Cortland Street in the early twenties and grew quickly to include eight or ten surrounding streets in the area. It was a radio buff's paradise where you could buy every conceivable radio or part, old or new, and a gathering place for geniuses and lunatics, princes and paupers and everything in be-

tween - all with the same addiction - radio!

It was here that Phil got to know some of the greats of radio history. The big day of the week was Saturday and often Bill Dubilier would come in to chat with Phil, as would Louis Pacent, Ralph Batcher, Lloyd Espenchied, Bob Hertzberg and a fellow who was to become a life-long friend - Hugo Gernsback!

Of course, the crash of 1929 put a dent in the goldmines on Radio Row, but from the thirties to the fifties, it was the radio bargain-hunter's dreamland. It was a place where you could buy anything from a Marconi to an Atwater Kent for a few bucks each! Most were purchased by hams and hobbyists just for parts. The economics of real estate and urban development finally put an end to Radio Row, but its memory lingered and many old-time radio collectors yearn for those wonderful times.

In 1935, long before the demise of Radio Row, Phil opened his own business, Central Radio Labs, on Columbus Avenue at 77th Street in Manhattan, but had to sell out in 1942. It seems Uncle Sam needed Phil's radio expertise more than New York did.

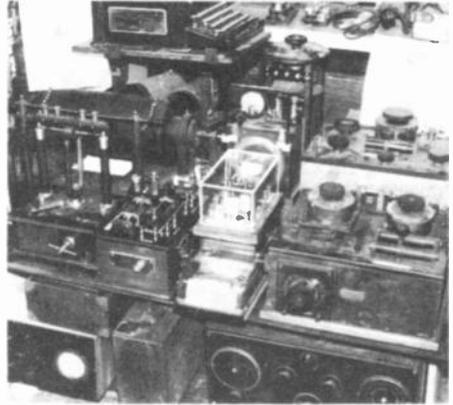
After he'd won the war, Phil met Charley Rosen of the Communications Equipment Company. They joined forces and went into the war-surplus electronics business. Phil says that during this time they sold literally thousands of tons of surplus equipment from WWI and WWII. He says he cannot begin to estimate how many early Marconi's, Wireless Specialty, Mesco and other rarities they sold for almost nothing! It wasn't until sometime in the mid-fifties that Phil realized he had an urge to collect some of the historic sets that he remembered from his youth. Thus, as so many of us who had similar urges know so well, another radio collector was born!

Not unlike most of us, Phil went at his new-found hobby with the same ferocity we all started with and, in typical rat-pack fashion, accumulated everything he came upon. Eventually, as he learned more and more about the history of radio, he realized his real interest was in the earliest wireless apparatus and especially the magnificently constructed early Marconi gear manufactured prior to WWI. Gradually he accumulated more Marconi apparatus than you'll find anywhere but in the British Science Museum. He also is partial to other well-constructed early wireless equipment, both European and American, and has an awesome accumulation of that as well.

Phil also has rooms full of parts for almost any radio you can name and often trades these for things he needs for restoration. He

says that ivory celluloid, gutta percha and hard rubber sheets, rods and tubes are the hardest things to find.

Yes, Phil Weingarten is a man who truly loves Marconi's wireless apparatus. He has been known to travel thousands of miles on a moment's notice to acquire pieces he doesn't already have. Yet whenever I have visited his impressive museum, he has been just as willing to discuss some insignificant question I might have about a home-brew three-dialer or some common crystal set.



Phil's unique collection has been reported in numerous publications over the years including *Broadcast Engineering Magazine* and *The New York Daily News*, *Hi-Fi Stereo Magazine* and various radio collector's journals.

One of the early mentions of Phil's growing collection was in an autumn 1968 issue of the *Old Timer's Bulletin*, wherein Bruce Kelly, the legendary founder of the Antique Wireless Association, wrote: "Phil Weingarten's Forest Hills Museum represents several years of collecting both amateur and commercial equipment. Phil was a good friend of Hugo Gernsback which resulted in a nice gift of old catalogs, tubes and various Electro Importing Company items from his son, Harvey Gernsback."

Despite his love for all his early Marconi's, Phil has the same twinkle in his eyes when he proudly shows the early memorabilia from his old friend who started the Electro Importing Company. "After all," Phil philosophizes, "Marconi invented radio, but Hugo Gernsback sold it to America!"

(Editors note - The following pages show a few of the many items in Phil Weingarten's "Forest Hills Wireless Museum". Thanks go out to John Milton Williams for the splendid job in writing of the preceding article. Mr. Weingarten may be reached at: 67-61 Alderton Street, Forest Hills, New York 11374 718-896-3545)

Continue next page...

PHOTOS FROM FOREST HILLS WIRELESS MUSEUM

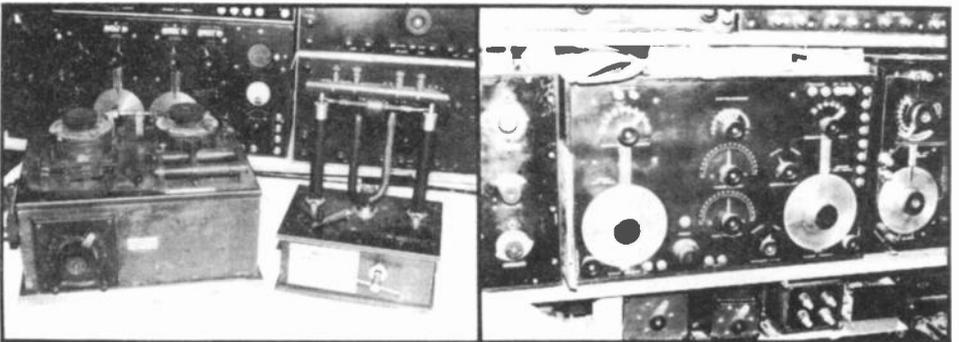
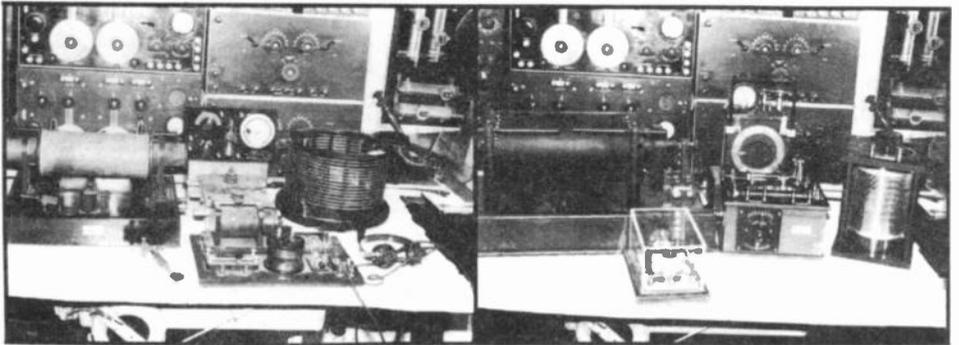
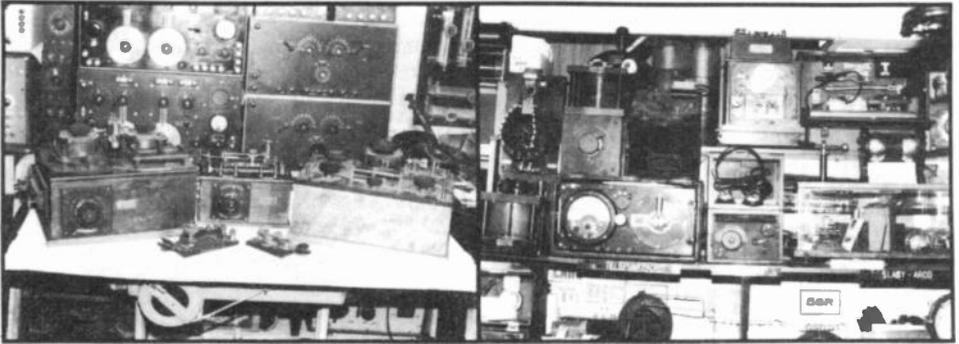


Photo descriptions - (Top) Marconi Fleming Valve receiver, Marconi Type 20 Crystal receiver, Marconi Type 70 Crystal receiver, Marconi Flame Proof key, Marconi Standard key. **(Middle)** Murdock 6" induction coil & Helix & Dubilier spark condenser transmitter, Murdock crystal set, Boston key, Murdock phones (a 1910 Ham station). **(Bottom)** Marconi Type 103 Crystal set, N.Y., Marconi Vertical Magnetic Detector, London.

Photo descriptions - (Top) Telefunken vertical pattern crystal set, Telefunken universal wavemeter, Telefunken - American wavemeter, Lorenz submarine crystal set, Slaby-Arco coherer receiver and spark gap transmitter. **(Middle)** Marconi 10" induction coil, Marconi polarized relay, Marconi MC-4 Wavemeter, Marconi Type 20 crystal set, Marconi ATC (Antenna Tuning Condenser) - all 1910 or earlier. **(Bottom)** IP-500 receiver.

PHOTOS FROM FOREST HILLS WIRELESS MUSEUM

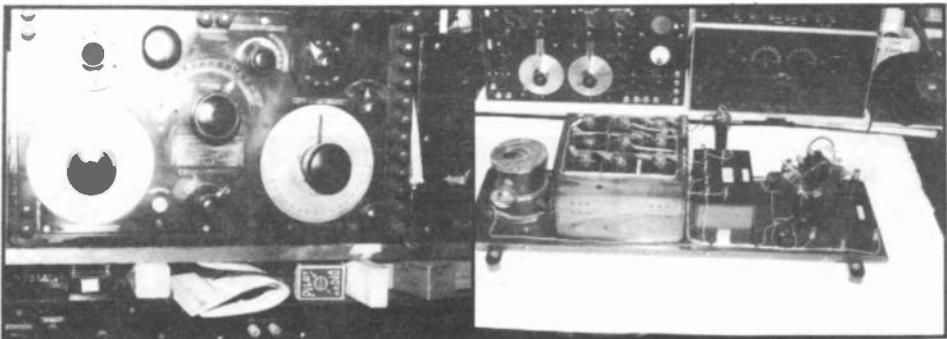
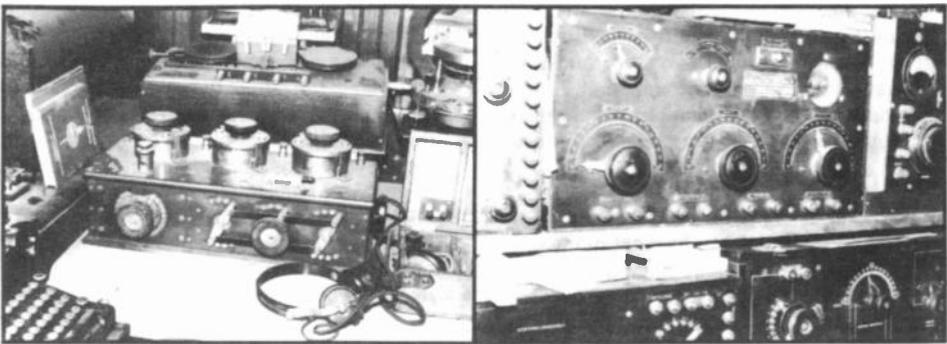
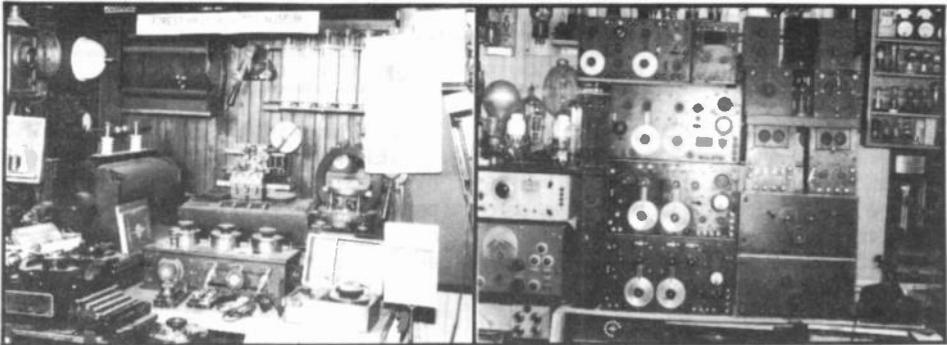


Photo descriptions - (Top) A 2.5 KW Marconi Wireless Station - 20 inch spark coil, register, wavemeter, helix, Lyden jarbank, Multiple Tuner, Mill, clock, etc., about 1910. **(Middle)** Marconi Magnetic Detector, Marconi Multiple Tuner, Marconi Headphones - all London mfg. **(Bottom)** Marconi CM 294 Crystal set - 1917 (U.S.A.)

Photo descriptions - (Top) SE-1012A with amp., SE-1420C, IP-501 with amp. and loading coil (two sets), W.S.A. antenna tuning condenser, W.S.A. loading inductances, Dubilier antenna dummy load; misc. vacuum tubes. **(Middle)** Marconi - U.S. Signal Corp. Type 122 Tuner, one tube set - 1918. **(Bottom)** Marconi Coherer receiver, London - 1903.

THE MARCONI 106B/C

CONTRIBUTED BY: JAMES KREUZER, 257 HASTINGS, BUFFALO, NY 14215

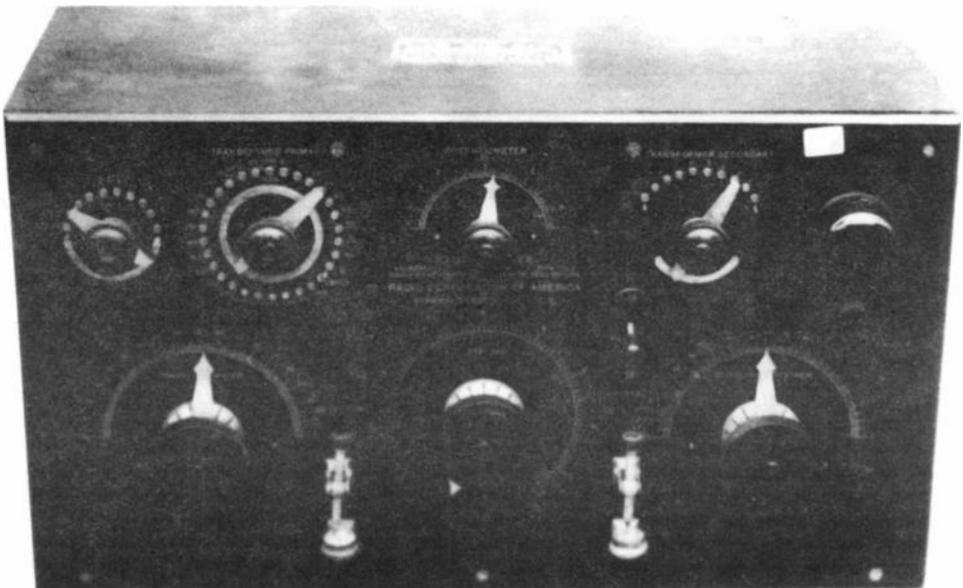
MARCONI/RCA MODEL 106C - This receiver has a wavelength 200 to 3500 meters. It was originally designed by Marconi in 1915 as the Model 106, and issued on shipboard and shore installations during WWI. After the war, RCA was formed and produced the Model 106 B, C, and D. These sets were manufactured for RCA by General Electric.

The B and C models were basically the same as the 106, with the addition of another crystal detector, in parallel with the first. The second detector could be a Carborundum type, since there was a battery and potentiometer incorporated in the circuit. External connections could also be brought out through the back of the cabinet in order to hook up an Audion detector.

Of course not every collector has a Marconi sitting on the shelf, but thought many of you would be interested in seeing how these "oldies" worked. The following is a description and operation of the Type 106B receiver as taken from a Marconi Wireless Telegraph Co. of America blueprint, dated December 1919.

GENERAL ARRANGEMENT OF THE RECEIVER - The type 106B receiver is an inductively coupled oscillation transformer consisting principally of a primary and secondary circuit. The period of the primary and secondary circuits and the inductive relation between the two circuits can be varied. Provision is made for varying the ratio of capacity to inductance in each circuit within certain limits.

PRIMARY CIRCUIT - The primary circuit consist of an inductance made variable by a switch and a variable capacity which may be inserted in the circuit if the capacity of the external circuit (aerial capacity) is too large for the desired wavelength. The "primary tens" switch varies the number of turns included in the primary between the antenna and ground post in steps of 10 turns to each point, and, at the same time, disconnects "hanging on" end turns which are not in use. The "primary units" switch varies in steps of one turn to each point, so that with both switches, any number of turns on the entire inductance may be used. When the primary condenser is not in use, it should be rotated to the position past



MARCONI/RCA MODEL 106C

180 degrees marked "out", this automatically short-circuits the condenser.

SECONDARY CIRCUIT - The secondary circuit consist of a variable inductance, a variable condenser, a detector, a pair of telephones, a fixed condenser, and a potentiometer. The telephones and battery are externally connected. The transformer secondary switch varies the secondary inductance in appropriate steps and cuts off the unused portion of the coil. The secondary condenser is used for obtaining wavelength adjustments finer than those obtained by varying the inductance and for wavelengths above 2000 meters. When not in use, this condenser should be rotated past the zero point to the position marked "out"; this automatically disconnects the condenser from the circuit.

DETECTORS AND POTENTIOMETER

The two detectors are connected in parallel so that either one may be used. The potentiometer regulates the potential across the carborundum detector. The zero point is at the middle so that the potential on the crystal may be reversed. When a crystal which does not require a battery is used, the potentiometer should point zero. The battery then has no effect on the crystal circuit. When carborundum is used the potential is adjusted by operating the potentiometer in either direction. The test buzzer is used to set up oscillations for adjusting the detector to a sensitive condition. The buzzer is mounted upon the panel. By turning slightly, the buzzer case is readily removed, making adjustment easy. By pushing the "test" switch in, the buzzer is connected in circuit. If continuous operation of buzzer is desired, switch should be rotated slightly after being depressed.

COUPLING MECHANISM - The secondary coil is arranged so that it will slide inside of the primary coil and variation of distance between them is made by the coupling handle. The oscillation transformer and its parts are mounted upon an insulating panel and enclosed in a mahogany case. By removing screws at the top of the panel, on each side, and in back, the case can be removed, disclosing the working parts; making repair of any part easy.

BATTERY BOX - With the receiver is supplied a mahogany box containing four dry cells. These should be connected to the proper terminals on the receiver indicated on the wiring diagram.

CARE OF THE RECEIVER - Since the satisfactory operation of the set depends to 11

a great extent upon the switch blades making perfect contact with the studs, it is necessary to see that there is always a good firm pressure between them. If, for any reason, the pressure becomes too weak, remove the screw in the handle, take off the handle and remove two screws holding the switch blades in place. The blades can then be readily removed, slightly bent and replaced so that they will make perfect connection.

OPERATION - The receiver is to be connected in accordance with the instructions and drawings. The method of operation is as follows: Set the primary condenser at "out", set the coupling at about seven on the scale, set the secondary condenser at "out", the detector point on the crystal, the potentiometer at zero, then push test switch in, turn slightly, keeping buzzer in operation and adjust crystal to sensitive spot. Release test switch and vary primary and secondary inductances until desired signal is heard with maximum response, then decrease coupling by rotating coupling handle to the left, until signal is just audible, readjust primary and secondary to maximum response, then increase coupling until signal is at a maximum and readjust primary slightly until loudest signal is heard. Generally the loudest signal is reached with a maximum secondary inductance and minimum secondary capacity. To avoid interference, the operator should work with the loosest coupling possible. Greater selectivity may be had by using smaller secondary inductance and adjusting the secondary condenser until maximum response is obtained. The receiver has a range of wavelengths up to 3,500 meters. If the wavelength of signal desired is shorter than can be obtained with above adjustments, place primary tens switch at zero, primary units switch at "ten", rotate primary condenser until a signal is heard, using the lower points of secondary inductance. If a maximum signal is not obtained up to 180 degrees of primary condenser, more primary inductance will be needed. Follow the same method as with longer wavelengths. Selectivity may be still further increased, partly sacrificing intensity by using a large amount of primary inductance, having the primary condenser in circuit. When using the carborundum detector, it will be necessary to adjust the potentiometer to a point which gives the greatest sensitiveness. This detector is very permanent in its adjustment and not disturbed by static, loud signals or mechanical vibrations. It should be noted that when using other crystal detectors, the potentiometer should always be in zero position. *(Photo and information courtesy of James Kreuzer, Buffalo*



CLASSIFIED AD DETAILS: Each subscriber is entitled to one free 20 word ad each issue. Additional words over the free limit are 10 cents per word. Enclose correct payment with ad, as we do not bill for ads. Ads must be received before the 10th of the month to appear in the following months issue. Late ads will be held for the following issue. Limit of two multiple insertions of same ad. Ads may be sent in advance, however each ad must be submitted on a separate sheet of paper, preferably a 3 x 5" index card. Publisher reserves the right to edit ads and is not responsible for errors due to illegibly written ads. **OPTIONS:** Shaded ads are available at a cost of 10 cents per word additional, including free words. Photo ads are \$5.00 each for half-tone charge. Allow extra time for processing of photos. B&W line-art drawings also accepted at a rate of \$1.50 per vertical inch, maximum width is 3½ inches. Custom ads made to order, send sketch of your ideas for quote.

WANTED: Dial for Philco 60. R.T. Colgan, 8120 Ripplewood Drive, Austin, TX 78758

FOR SALE: 30 - ORIGINAL - Radio Ads from 1927-1931! Some are full page. NOT COPIES! Price: \$25.00 plus postage. George Friedrich, 7162 Jacqueline Lake Lane, Custer, WI 54423

WANTED: Majestic Model 15 chassis and speaker. Doug Heimstead, 1349 Hillcrest Drive, Fridley, MN 55432 (612)571-1387

FOR SALE: H.H. Scott Model 99A. Transcription Amplifier (\$40.00). Fisher Model 70RT Tuner (\$50.00). RCA 3 with tube adaptors (\$47.00). RCA 3A with tube adaptors (\$65.00). All Wave Mohican Heath Kit Receiver GC-1A 1961 Solid State (\$45.00). All items good to excellent condition. Echophone commercial, working - fair condition (\$20.00). Prices plus shipping. Herb Balmer, 605 North 9th St., Marysville, KS 66508 (913)562-5414

WANTED: Case, or information on how to build one for Thompson P-11; Paragon tube socket and plate cond.; Crosley Model 59 chassis and speaker, will buy junk set. Ray Schober, 6938 Western Ave., Omaha, NE 68132 (402)554-0366

FOR SALE: Signal Corps U.S. Army Buzzer-phone model "P", 1917. Unit is in excellent shape with original non-brittle leather headset. Made by Western Electric, panel also has tag reading "Le Materiel Telephonique" - "G. Aboilard + Cie - Paris". Small key on top with controls for send/rec & normal talking, potentiometer, and variometer. Offers/trades? Vinny Shea, 31 Old Green Rd., Sandy Hook, CT 06482 (203)426-4897

WANTED: Meissner receiver model 10-1199, six tubes, two bands, 500 - 1600 Kc and 6 - 18 Mc, kit or assembled. Advertised in QST, May 1947, page 134. Avery Baswell, 2603 Pentolope Dr., Huntsville, AL 35803

WANTED: Juvenile radio fiction books, catalogs, radio logs, board games, advertising signs. Jerry Simkin, 10 Avalon Lane, Matawan, NJ 07747

WANTED: Chassis for Ware 7-tube Neutrodyne, built in 1925, for Music Master models 250 and 460 radios. Need chassis, complete with loop antenna, or picture, drawings, data, etc. Ed Lyon, 11301 Woodland Way, Myersville, MD 21773 (301)293-1773

WANTED: Grebe portable and Camera-radio portables... writing an historical paper. Also looking for WWI items and fancy horns. **FOR SALE:** Small list of radios. (Send SASE) Rosenthal, 507 S. Maryland Ave., Wilmington, DE 19804 (302)994-0874

FOR SALE: Riders Radio and TV Service manuals. Howard SAM's, RCA, Philco, Zenith plus others. Radio parts, tubes, test equipment. 8 page list (3/8) for 50 cents and SASE. F. Krantz, 100 Osage Avenue, Somerdale, NJ 08083

WANTED: Early electric phono and radio-phonograph combinations. Especially Victor models 9-16, 9-18, 10-69 and REA-68, Electrolas and Brunswick Panatropes. Bob Molesworth, 53 Keeley Ave., New Britain, PA 18901 (215)345-6358

WANTED: Crosley Junior and/or Crosley 1 crystal sets. Rod Phillips, Box 684, Bryn Mawr, PA 19010

WANTED: Book by John Trowbridge, Story of a Wireless Telegraph Boy. Robert Stapleford, 1800 Randolph, Topeka, KS 66604

WANTED: New old stock of paper capacitors - .001uf, .0035uf, .01uf, .1uf, .033uf and .47uf, all at 400 to 600 volts. H.J. White, 15531 Corrine Dr., Los Gatos, CA 95030

CLASSIFIED ADVERTISEMENTS

FOR SALE: Riders Vol. 1 thru 16, Avg. Cond. No. 1 is dog-eared, but binding is good and includes service data. Also, short set of 1-5 abridged with 6 thru 10, all in good condition. Make Offer. Radio Activity, 3453 Balsam N.E., Grand Rapids, MI 49505

WANTED: Audiola 23-S-8 chassis and speaker. Doug Heimstead, 1349 Hillcrest Drive, Fridley, MN 55432

FREE: CQ Magazine from 1946 thru 1973. Pay for postage only. Daniel Gaidosz, 342 West River Road, Orange, CT 06477

FOR SALE: New 864/VT-24 tubes. \$6.00 each, 3 for \$15.00. Joseph D'Airo, 201 North Richmond Avenue, Massapequa, NY 11758

FOR SALE: Eight tube FADA Model R-80 highboy cabinet radio. Early 20's vintage, complete with ABC eliminator. Battery meter on panel. Two dial tuning calibrated in meters. Also A.K. model 30, fair cond., no speaker or battery. Make Offer. Leon Marek, P.O. Box 23, Beverly Shores, IN 46301 (219)874-7023

WANTED: 7JP4 picture tube or address of rebuilder. Portable carrying case for Heathkit TC-2 tube checker. George Bittner, 147 Longvue Drive, Pittsburgh, PA 15237

WANTED: A.K.-40 Power Supply. Garrison Finzer, 413 Dover Road, Sugarcreek, OH 44881

WANTED: Unusual, one-of-a-kind telegraph bugs and keys, etc. Autoplex, Rotoplex, Triplex. Gil Schlehman, 335 Indianapolis, Downers Grove, IL 60515

WANTED: IP501 Receiver with amp and loading coil. John Gecki, 566 Bitterwood Ct., Kissimmee, FL 32743

WANTED: Operation/Service Manual for RCA WR-52A stereo FM generator - will copy, guarantee return. Pay fair charge. Lawrence Solow, 16 Sleepy Hollow Road, Saddle River, NJ 07458

WANTED: Crosley chassis type 123 and 124. Philco type 44, Brunswick type 11 or 12. Also will trade AK12 Breadboard (good condition) for Paragon model RB2. State price on chassis first letter. Gerard Thuring, 150 Highland Cross, Rutherford, NJ 07070

FOR SALE: Radiola I in excellent condition - \$500.00. Also reprint of Zenith 3R-4R manual - \$4.00. Floyd Engels, 8044 Davis Rd., Colden, NY 14033 (716)941-3210

WANTED: FM pocket radio made by Micro-Electronics, Peru, IN in 1951. R.E. Lozler, 800 Green St., Monroe, NC 28110

CLASSIFIED ADVERTISEMENTS

WANTED: Jackson Bell, Radiolas, Tombstone and cathedrals. Please send Poloroid and state price and condition. I will pay shipping. Chris Thais, 670 Lottie, Monterey, CA 93940

FOR SALE: Fisher FM stereo receiver. No case or instructions. Tim Walker, 154 Intervale Road, Mountain Lakes, NJ 07046

NOTICE: Accepting ads for upcoming issue of **Where to Find It** column. See April issue, page 18 for details. Don't delay - Antique Radio Classified.

WANTED: Early commercial detectors; Wireless Specialty Co.; early wireless gear - have items to trade. James Kreuzer, 257 Hastings, Buffalo, NY 14215

FOR SALE: SAMS schematics in folders. Trade for Riders manuals. SASE to S. Troch, 290 Main St., Spotswood, NJ 08884 (201) 251-3042

CLASSIFIED AD DEADLINE JUNE 10TH

FOR SALE: Philco 39-55 Console with remote unit, fair condition, \$30.00, You pick-up. Doug Houston, 3441 Hadley Road S., Ortonville, MI 48462 (313)627-4141

WANTED: Electro-Voice loudspeakers 1950-1965 Patrician, Georgian, Regency, Aristocrat, etc. Complete units, drivers, cabinets, E-V catalogs. John Wolkonowicz, 851 Oakwood #12, Dearborn, MI 48124

WANTED: Early Televisions with seven inch or smaller CRT. Also buying old jukeboxes. Bob Carlson, 815 Third Ave, International Falls, MN 56649 (218)283-2543

WANTED: Cabinet for an American Bosch model 595P. Also photographs of Fada consoles - 1929. Jerome Stahl, 110 Pearce Dr., Warner Robins, GA 31093

FOR SALE: Radiola 18 w/100A speaker, fair - \$75; Riders 1-5 abridged - \$20; Riders 6 to 17 - \$8 ea.; Hickok 8000A Tube and transistor tester - \$20; Eico 666 Tube tester - \$25. Also large assortment of new and used tubes, power transformers, FP type filter caps. Send SASE for needs, will quote, all prices reasonable. **WANTED:** Cabinets for Philco 91 cathedral, AK 248 tombstone, Riders Vol's 22 & 23, Philco flower style knobs, and tube shields with 1 7/8" dia. Mark Miner, 825 Rosedale Rd., Venice, FL 33595 (813)493-9788

CLASSIFIED ADVERTISEMENTS

FOR SALE: Philco 90 parts, front panels, chassis, speakers and misc. Also have a Spar-ton mirror in the lid TV for sale or trade. (small floor model) **WANTED:** Need a Philco 70 dial escutcheon. Frank Heathcote, 1235 N. 3rd St., Logansport, IN 46947 (219)722-3612

FOR SALE: Majestic model 52, exc., working, with manual - \$115; AK 35 w/tubes, exc., working - \$55; W.E. 7A amp w/3 216's, exc., works - \$120. Jerry Finamore, RD 2 - Box 623, New Castle, PA 16101

FOR SALE: AK MODEL 35. Also will trade a Norden Hauck Super C10 for Pilot Super Wasp, must be mint condition, will allow \$275 - \$300 in trade. Ed Schmidt, 1865 Newark Dr., West Bend, WI 53095

RADIO COLLECTION APPRAISALS: We will do complete professional appraisals of your radio collection by mail or within reasonable driving distance of Buffalo, New York. *References available upon request.* James Kreuzer, 257 Hastings, Buffalo, NY 14215 (716)835-9756

WANTED: Old meters - radio, power, scientific, etc. Also meters for sale, send wants. Leonard Cartwright, 113 Sea Terrace Way, Aptos, CA 95003

WANTED: Early model Citizen Band radios. Gary Capoen, RT. 1 - Box 131-A, Newberg, OR 97132

WANTED: Apparatus, Double Keys, Siphons, or anything associated with the Anglo-American or French Atlantic submarine telegraph cables. Also desperately need Harvey FT-30 Transmitter and Super Sky rider receiver, 7 tube with silver dial and panel speaker. Highest cash price paid for above on SASE for list of antique trade items including WWII apparatus. R. Enemark, Box 1607, Duxbury, MA 02331 (617)934-5043

WANTED: Wards Airline "Movie Dial" radio, circa 1936-37. Prefer table model, but console considered. Must be complete, but not necessarily working. Russ Turner, 414 Liberty St., San Francisco, CA 94144 (415)826-5282

WANTED: Chrome plated Vibroplex, working or not, need for parts. W6FGE, 940 Temple St., San Diego, CA 92106 **WANTED:** Pair 239A, 264 B-C. Microphones, parts, & accessories. Free pictorial microphone listing for SASE. W.F. Turner, Box 13069, Arlington, TX 76013

WANTED: Postal Radio Co. models "Pro", "International", (1933 - 1935) or "Booster " with cqls. Frank Kohl, 7116 Capitol View, McLean, VA 22101

CLASSIFIED ADVERTISEMENTS

WANTED: For Navy model RAS-4, (HRO) rack mounting speakers, #CNA49105. Charles A. Day, P.O. Box 205, S. Dartmouth, MA 02748

FOR SALE: Collins 51Jz general coverage receiver in cabinet with speaker, excellent condition - \$250 + UPS. Wayne Dimmler, 13 Midtown Rd., Carle Place, NY 11514 (516)747-1325 after 6:00 PM

WANTED: For Philco Model 60, a variable capacitor & dial assembly or junker radio. E. Drake, Box 1808, Hyannis, MA 02601

WANTED: Dial for 1929 Radiola 33, with legible numbers and markings. Carl Reinke, 2724 N. 27th St., Sheboygan, WI 53081

DON'T FORGET - You are entitled to one free 20 word ad per month, ads over 20 words are 10 cent per word, OK to do like many subscribers are doing by sending ads in advance - please put each ad on separate sheet of paper and mark month it is to appear - this way you won't miss the 10th of the month deadline for next issue. (Limit of two continuous insertions of same ad.) Please read "Classified Ad Details" at beginning of classified ad section - Thank you, Gary.

WANTED: Tube cover for Radiola 26; speaker for Philco 623; front panel Crosley 51 and a oscillator coil for Radiola 25. Howard Stone, HCR-3 - Box 418, Deer River, MN 56636

FOR SALE: Riders radio manuals, Vol. 1, 4, 6, 7, 16. All covers are in very rough condition. Contents are very good to fair, \$25 for all plus postage. Variable auto transformers, 0 to 140 volts - Two Superior Elect., new in box, complete, rated 4.5 amps; one General Radio Co. and one Radio Shack, both are used, housed in metal containers with cord, switch and receptacle, rated 5 amps - \$18.00 each plus postage. H. Fothe, 10 Jackson St., Sloatsburg, NY 10974

WANTED: Set of Riders manuals. Jim Conaway, 610 Ashford Rd., Wilmington, DE 19803 (302)571-9062

FOR SALE: Radiola III-A in excellent condition - \$110, or with trans. tubes - \$150. WD-11's available. Bud Bedker, 66 Cloverside Ct. West Seneca, NY 14224

FOR SALE: Over 800 new and used tested radio tubes. For list send SASE plus 22 cent stamp. N. Clapp, 1202 5th St., DeWitt, IA 52742

WANTED: Any issues of the *Scott News*. Also want any other E.H. Scott literature. Will buy or swap. Jim Clark, 1006 Pendleton, Lansing, MI 48917 (517)323-9595

CLASSIFIED ADVERTISEMENTS

FOR SALE: Good audio transformers - Federal 65-A, Radio Receptor at \$15 ea.; Mignon, Acme A-2, Splittorf, Stromberg Carlson 3A at \$10 ea.; Kelfords, Apollos at \$6 ea., all plus postage. Lots more audio and power transformers available, SASE for list, enclose your want list. Steve Raymer, 190 E. Island Ave., Minneapolis, MN 55401

FOR SALE: Victor midget cathedral - \$45; Scott projection TV - best offer; Hallicrafters #505 TV - \$45; General Motors cathedral - trade; Magnavox M-4 horn - \$65; Zenith tortise shell bakelite - \$30; Majestic Art-Deco model 641 - \$65; AK 145 tombstone - \$55; Philco 16B cathedral - trade; AK 84 cathedral - trade. Many other radios for sale. **WANTED:** AK cathedrals, shortwave cathedrals, Zenith cathedrals and tombstones. Send large SASE to: Bill Moore, 5014 Rickwood Ct., Huntsville, AL 35810

WANTED: Radio Design magazines - Volume 1, #1, #2, #3 & #4. Also want cabinets for Radiola II and Grebe CR-14. **FOR SALE:** Kennedy XV, real fine - \$400; Federal 57 - \$500; Federal 110 - \$450; Technical Material Receiver GPR-90 with matching speaker, extra nice - \$200. David McKenzie, 516 South Exeter St., Eustis, FL 32726 (904)589-0149

WANTED: *Construction of Induction Coils and Transformers* by Secor. Same title but by Curtis. *Wireless Telegraphy and High Frequency Electricity* by Twining. *Condensers* by Coursey and other books on wireless telegraphy and electricity. Tesla Coil Builders, RD3 - Box 181, Glen Falls, NY 12801

FOR SALE: Attention Ye Olde set builders and restorers! "#12 tinned square bus bar wire", prices are postage paid. 12 ft - \$4.00, 24 ft - \$5.75, 36 ft - \$7.50, 72 ft - \$15.00. Also #11 black varnished spaghetti tubing, prices are 6 ft - \$1.65, 12 ft - \$2.91, 24 ft - \$5.35, 36 ft - \$7.60. Andrew Mooradian, 5 Priscilla Lane, Winchester, MA 01890

FOR SALE: W.E. 7A Amp - \$60; Heathkit capacitor checker - \$20, plus shipping. **WANTED:** Early tubes and Audions. Bruce Harbeck, 13408 Westwood Ln., Omaha, NE 68144 (402)333-9013

FOR SALE: *New York Tribune* - August 17th, 1858, rare historical newspaper describing the laying of the first trans-Atlantic telegraph cable - offer?. Will be at ARCA meet in Buffalo with Kennedy XV; several cathedral radios, plus my usual assortment of tubes and parts. Let me know of your special request by June 3rd. Gary Schneider, 9951 Sunrise Blvd - #R9, Cleveland, OH 44133 (216)582-3094

CLASSIFIED ADVERTISEMENTS

WANTED: Powell table radio, any condition, also correspond with anyone having a Powell. Bill Hossfield, 50 Oakwood, Ringwood, NJ 07456 (201)839-9053

WANTED: Cabinet for Federal 59, Upright Bug, Sideswiper key, SW4 receiver. Price in first letter. Craig Stewart, 3502 S.W. 170th, Seattle, WA 98166

FOR SALE: Riders volumes 3, 4, & 5 - \$20 each. Paul Winans, 3915 S. Ward Rd., Lee's Summit, MO 64063 (816)537-6847

WANTED: Lamp style horn speakers and Miraco or Midwest Radio Co. radios. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432 (612)571-6062

ESTATE SALE: Collins 32S-3 (#13653), 75S-3 (#13742), mint cond., manuals, cartons - \$450 both. W1YJ, 83 Skysail, Salisbury, NC 28144

FOR SALE OR TRADE: Radiola III in mint condition and Burns horn, exc. cond. except for broken piece on top. **WANT** A.K. or Philco cathedral. Thomas Fuller, 96 Cockett St., Foxboro, MA 02035 (617)543-3886

FOR SALE: Tube testers: Hickok 600A - \$35; I-177 - \$40; EICO 324 Signal Generator - \$20. Variacs (Variable 0-140V transformers), 2 amps to 7.5 amps - \$5 to \$15 (write). A.C. chasses, E.M. speakers (write); Fisher 500-C - \$50; Wright Decoster universal test E.M. speaker (suitcase) - \$35; P-PG - P-PP audios (1:1), A2913 & A4711 - \$5.00 each; Trimn 156 600 ohm phones (orig. box) - \$5.00; AK H (superhet), rebuilt - \$75; AK469 - \$45; panel meters - write. **WANTED:** Sine-wave A.C. invertors (12 to 120 volts); short-wave convertors (not plug-in detectors). Jim Farago, P.O. Box 65701, St. Paul, MN 55165

★★★★★★ **FOR SALE:** 15 year collection of radios - 50 radios and 1000's of parts, appraised at \$3430, best offer over \$1750. Send SASE plus two 22 cent stamps for list. Ron Struzik, Hilcreast Acres, West Falls, NY 14170 (716)655-4125

WANTED: Rola horn speaker, also other horns - please write. Del Hambly, 8910 N.W. Lovejoy, Portland, OR 97229

FOR SALE: Two WD-11 tubes brand new, 30-4 CD tube - new, and a like new Andrea magneto for old wall phone. Russell Schoen, R#1 - Box 224, Clintonville, WI 54929 (715)823-6744

FOR SALE: Hallicrafters Sky Buddy S-119, 3 tubes, perfect, new PT. - \$60 ppd. Don Aldred, 39 East 8th St., Jacksonville, FL 32206

CLASSIFIED ADVERTISEMENTS

FOR SALE: Radio dial belts, state cut length or circumference and brand - \$1.00 each. Antique Columbia Graphophone table model - \$95.00 plus U.P.S. Roth-Downs Mfg. "Orpheus" console/ette, good 01A tubes, 1926 model - \$85.00 plus freight. Murdock Slide Coil - \$20.00 plus U.P.S.; AK cabinet only for model 20, original finish - \$20.00 plus U.P.S.; RCA Radiola IIIA - \$75.00 plus U.P.S. Pictures available on all above, SASE. Clark Trissell, 3530 Pawnee, Lincoln, NE 68506

WANTED: Instruction book (or Xerox copy) for Radiola 26. Tod Prowell, 1073-15 Lancaster Blvd., Mechanicsburg, PA 17055 (717)697-5227

WANTED: Old tube HiFi equipment, working or not, complete or parts, all makes and models. Jack Smith, 59 Millpond, N. Andover, MA 01845

FOR SALE: Misc. factory service literature on RCA, GE and Philco TV of the mid 40's & early 50's, including color sets. Also many extra copies of Radio News magazine of early 30's & many misc. antique radio parts. Send SASE for details. Ed Montgomery, 1092 Willow Branch Ave., Jacksonville, FL 32205

FOR SALE: Norden Hauck Super Ten, with coils - \$650; RCA by Westinghouse RA/DA receiver, works - \$145; AK model 35, works - \$75; Victoreen 9 tube, some new parts - \$145; AK model 20, works - \$105; RCA UZ-1325 horn speaker, works - \$110; two 8 & 9 tube sets, no name, kits?, I am told they work - \$60 each; 5 or 6 VT24/864 tubes, new - \$5.25 each. Ed Schmidt, 1865 Newark Dr., West Bend, WI 53095 (414)334-7101

WANTED: Parts chassis for Federal 61 battery set, and tuning dial for AC Dayton XL-25 set. Jim Mason, 90 N.W. 150th Ave., Beaverton, OR 97006

FOR SALE: QST magazine back to 1927, over 600 copies - \$90.00, must pick up. Also many other radio magazines and books. Tony Kray, Main St., Putney, VT 05346

FOR SALE: Radiola model B-52, 1940's flat top, two band, cabinet good, chassis poor, with tubes - \$20 plus shipping. Leroy Blalock, 1706 Chaffin St., Sanford, NC 27330 (919)776-7592

FOR SALE: Send SASE for list of two collections for sale. Paul Giganti, 2429 San Carlos Ave., San Carlos, CA 94070 (415)593-4723

WANTED: Instruction data for Supreme Diagonometer AAA-1, copy OK. Also interested in buying Supreme test equipment. Gerald Weiss, N-89, W-16229 Main St., Menomonee Falls, WI 53051

CLASSIFIED ADVERTISEMENTS

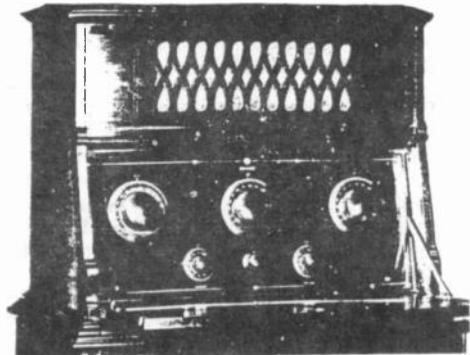
FOR SALE: 1913 Manhattan Electrical, MESCO 458 crystal receiver, polished oak case; MESCO double headset; MESCO 448 three-slide 15" tuning coil, made by Bunnell; original MESCO 95 page 1913 and 194 page 1920 wireless catalogs. All \$175 via UPS, SASE for details. Clarence Filley, 1109 S. 2nd St., Hamilton, MT 59840

FOR TRADE: Catalin and early Bakelite radios in quantity and a Grebe CR-18. Trade for early Scott sets, no slide rule dial types please. N. Braithwaite, 4415 Greenwood Ave. N., Seattle, WA 98103 (206)782-4864, no collect calls.

FOR SALE: Six pounds of early RCA radio service literature from late 1920's to early 1940's. Includes Radio-Phonographs, good condition, whole pile \$40.00 ppd. Bruce Steller, Star Tronics, Box 683, McMinnville, OR 97128

HELP!: Fair prices paid for Riders manuals #'s 18, 19, 20, 21, 22 & 23. Ken Gfeller, 5261 Scalley Rd., Belding, MI 48809 (616)691-8422

FOR SALE: Garod V, 5 tube, 1923, V.R. page 132, VGC., 37" long, pick up only - \$50; Drake T4XB, R4B, MS4 speaker, AC4 power supply, Astatic mike w/bar switch, antenna relay, manuals - \$350 plus U.P.S.; Hallicrafters transmitter HT323A, pick-up only - \$150. J. Wasiewicz, 229 Sarles Lane, Pleasantville, NY 10570



WANTED: FADA chassis pictured above, any condition. Reconverting cabinet now converted to a desk. Also want speaker to go behind grill shown. Cecil Grace, Box 459 Gracie Station, New York, NY 10028

NOTICE: My 300+ old tube collection was sold under PHASE 1 terms of sale. Thanks to all participants. **WANTED:** Two screens 2 3/4" Diam. for looking at tubes in AMRAD 3500-1 battery set. J. Wasiewicz, 229 Sarles Lane, Pleasantville, NY 10570

CLASSIFIED ADVERTISEMENTS

WANTED: Someone to repair & recondition a RME-45 receiver, have schematic and spare tubes. Levy, 8 Waterloo, Morris Plains, NJ 07950 (201)281-0233 ?

FOR SALE: Quality hard cover reprints. *High Frequency Apparatus* by Curtis, 1920, 2nd edition, complete with appendix book catalogue. *Electricity At High Pressures and Frequencies* by Transtrom, 1921, 2nd edition. \$15.95 each. Harry Goldman, RD3 - Box 181, Glen Falls, NY 12801

FOR SALE: Radiola loop antenna wire and cloth covered AC line cord prices will go up about 20% August 1st. SASE for prices, free samples. Goodman, 7943-A Ponce, Canoga Park, CA 91304

WANTED: Beitman Supreme Radio Manuals 1947, 1949 thru 1960 in good condition. Fred Emerson, 627 Illinois Ave., Elgin, IL 60120

WANTED: Used set of chassis punches. Also literature on speaker repairing and supplies. Jerome Stahl, 110 Pearce Dr., Warner Robins, GA 31093

FOR SALE: Atwater Kent #4660 breadboard - \$650; Paragon RA-10 & DA-2 - \$950; Paragon RD-5, 10-R, & A-2 - \$1100; Grebe RORK - \$275; Zenith 3-R (restored) - \$450; John Firth Vocophone Type 235-A - \$1000; John Firth Decremeter - \$250; John Firth Bureau of Standards Wavemeter - \$200; Mello Heald Eleven Superhet - \$240; Scott Philharmonic - \$590; AK lamp with shade - \$375; Federal 61 cabinet - \$90; Federal 61 panel - \$90. Contact Larry Wright at 312-658-5993.

WANTED: Pre-1900 telegraph keys, spark keys, and oddball bugs. Neal McEwen, 1128 Midway, Richardson, TX 75081

WANTED: Actual measurements for the location of binding post, crystal detector & tuner for an Aeriola Jr. crystal set. Would also like pictures, parts, layout of underside of that set. Also need front panel, case and any parts for a Crosley 51A, 50A and Pup. I'll buy the above parts or I'll swap tubes, parts or old radios for them. Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456 (314)735-2945

FOR SALE: Old tubes from 30's and 40's. Also test equipment for radio. Send SASE to: Ralph F. Jensen, 833 Jacobson St., Marinette, WI 54143

FOR SALE: Table radios - 30's to 50's, wood-
en and plastic, all fine condition and complete. Stan Lawson, Box 91, Villa Grande, CA 95486 (707)865-2217

CLASSIFIED ADVERTISEMENTS

FOR SALE: Zenith tombstone farm radio (wood); Automatic #660 wood case radio; Detrola 26; Emerson #?, wood; Philco 48-250-121 bakelite; Silvertone #6120, wood, all above are table models. Old Supreme Signal Generator & Freq. Modulator model 581, wood case. Contact: Herbert Arndt, 24719 Dartmouth, Dearborn Hgts, MI 48125

LATE ADS...

WANTED: MIRRORED GLASS RADIO. BUY OR TRADE FROM MY DECO COLLECTION. ED SAGE, 1781 HELANE CT., BENICIA, CA 94510 (707)746-5659

FOR SALE: A.K. RADIO TABLE AND 16 TUBE PHILCO CONSOLE. WANTED: LARGE 3 SPEAKER MIDWEST OR SPARTON RADIO. GEORGE ROBINSON - (216)253-4360

WANTED: DELCO R-1238, AIR KING A-625, CROSLEY 9-119, PHILCO 49-902 901, 603 & 501, MOTOROLA 68 X11, 408, SPARTON 100, GENERAL TELE. 9A5 GILFILLAN 58W, TEMPLE H-411, PLUS SAMS SCHEMATICS FOR YEARS 46, 47, 49, 50, 51 & 52. PHILIP COLLINS, 10965 ROCHESTER AVE. #201, LOS ANGELES, CA 90024 (213)479-0167

WANTED: CHASSIS OR COMPLETE RADIO KEG RADIO, MUST BE WORKING CONDITION. WILL PAY PREMIUM PRICE. MY CHASSIS HAS BEEN MUTILATED. GALE ROBERTS, BOX 152, CLYMAN, WISC. 53016 (414)696-3491

FOR SALE: THERMIODYNE AND FREED EISEMAN BATTERY RADIOS, \$100 EACH. CROSLEY MODEL 51 W/TUBES - \$150. PARTS, SETS, TUBES, ETC. LIST 50 CENTS AND SASE. THREE MC-30 MCINTOSH AMPS - \$149 EACH (NICE)! CHET WISNER, 1014 MAIN ST, DALTON, MASS 01226

FOR SALE OR TRADE: KENNEDY 111, CROSLEY 51P, MINT AERIOLA SENIOR, DUCK CATALOG, ETC. SASE FOR LIST. MERRILL BANCROFT, 169 S. ROW RD., TOWNSEND, MASS 01469

WANTED: CRYSTAL SETS, CRYSTAL DETECTORS, POWER PACK FOR AK-135. P. DIEGUEZ, 192 GARDEN ST., ROSLYN HTS NEW YORK 11577

WANTED: STROMBERG CARLSON 240-W RADIO OR CABINET (LOOKS LIKE CHEST OF DRAWERS). ALSO SCOTT LORIANTE GRAND RADIO. VERNON OEHKE, BOX 307 SOLLAR HTS RD., GHENT, NEW YORK 12075 (518)392-4945

WANTED: CASE FOR MAGNAVOX AC-3 THREE TUBE AMPLIFIER. ALLEN JOCHEM, 2205 BROADWAY, QUINCY, ILLINOIS 62301 (217)222-2739

RADIO MEET REPORT

Report on the Spring M.A.R.C. Swap Meet held 4/20/85 in Lansing, Michigan. On a sunny and warm Saturday morning an active group of 43 collectors registered and participated in our annual spring swap meet. The registrants came from Michigan, Ohio, Wisconsin, Minnesota, Iowa, Illinois - and from the greatest distance came Jacques Dubois all the way from Paris, France!

The flea market started briskly at 7:30 A.M. and lasted until about 11:00 A.M. At this time, an impromptu auction was started, which lasted until noon. Due to the positive feedback I received about the auction, it will become a regular feature at our future swap meets.

The next Michigan Antique Radio Club swap meet is tentatively scheduled for late October. The actual date will be announced soon. I wish to thank all of you who attended this meet for your support, and look forward to seeing you and your friends at our next swap meet... Jim Clark



COMING EVENTS...

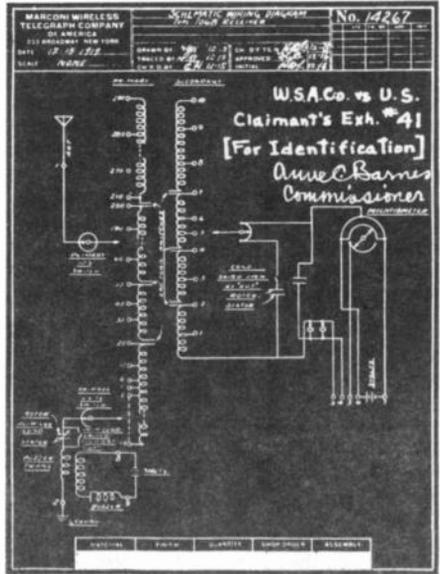
THE ANTIQUE RADIO CLUB OF ILLINOIS presents **RADIOFEST '85**, August 9 & 10th at Rockford, Illinois. The meet will be held at the Clock Tower Inn, reservations call 1-800-358-7666 or 815-398-6000. For more information contact: Joe Willis, P.O. Box 14732, Chicago, IL 60614

THE BIG ONE - A.R.C.A & N.F.W.A. MEET next week in Buffalo, New York. See display ad in last months A.R.C.

RADIO CLUBS: Send details of your up-coming meets to A.R.C. for inclusion in future issues.

NOTICE

SCHEMATIC - Space limitations prevented listing this schematic of the Marconi 106B as referenced in the article shown elsewhere.



MARCONI 106B SCHEMATIC

DISPLAY AD

WANTED: WESTERN ELECTRIC

TUBES, SPEAKERS, HORNS, AMPLIFIERS
TRANSFORMERS, MICROPHONES, ETC.

TUBES: NEW OR USED

WANTED:

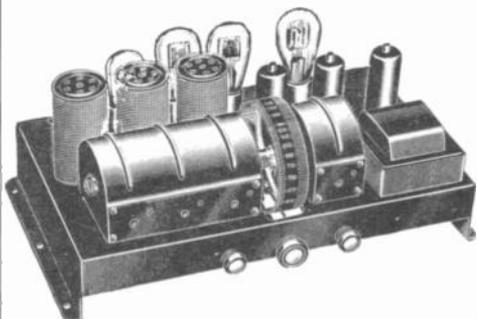
300A, B	\$60	\$40	MCINTOSH, QUAD,
274A, B	\$15	\$12	MARANTZ, LEAK,
252A	\$30	\$25	TANNOY, ALTEC
284D	\$30	\$20	TUBE AMPS, SPKR
271A	\$15	\$12	*****
242A, C	\$18	\$12	MAURY CORB
262A	\$ 7	\$ 5	11122 ATWELL
348A	\$ 7	\$ 5	HOUSTON, TEXAS
211	\$18	\$12	77096
212	\$40	\$30	TEL: 713-7284343
216	\$15	\$10	*****
350B	\$17	\$10	HORNS: 24, 26, 12
275A	\$14	\$ 8	TRANSF. 618, 285
RCA			WANTED:
250	\$20	\$15	

SPEAKERS: 728, 754, 755, 753, 757, 22A
4151, 4153, 4181, 713, 594, 596, 597
AMPLIFIERS: 86, 1086, 91, 94, 124, 142
143, 130, 120, 92, 129, 105, 121, 131



DISPLAY ADVERTISEMENTS

FOR SALE



FOR SALE: Atwater Kent chassis w/tubes, no speakers - models 328, 788, "L", 711, and parts from 55C. Philco chassis models 144, 620, 16, 118, 90, all w/tubes, no speakers. Parts from RCA models 17, 18, 20 25 plus others. Speakers, 8 to 12", electro dynamic, etc. - old. Write wants, SASE for reply. Also have many other items for sale, too much to list, let me know what you need. **Gotta make some room - lets make a deal!**

FOR SALE: Pick up only, will not ship: Have some assorted TV sets - 10" to 12", table and floor models 1946 to 1950. Hallicrafter Super Skyrider - \$40; Marconi 6 band SW rec., pre WWII, made in England - \$40; RCA AR77 SW receiver - \$30; Freed Eisemann Model 50 - \$90; Scott RBO \$75.00; CMX 46155-A, 15 to 600 KC receiver - \$85; AK model "L"; AK 788; and other sets. Krantz, 100 Osage Ave., Somerdale, NJ 08083



FOR SALE: Have many parts, tubes, service data, Riders, Howard SAMS, test equipment and misc. items on my list 3/85. Send 50 cents and a SASE - Thank you, Frank Krantz

FOR SALE: Radio Retailing's Tricks of the Trade, 3rd edition - \$7.50; Meissner - How to Build Instruction manual - \$9.50; Mallory - Radio Service Encyclopedia, 1939, not original covers - \$8.00; Modern Radio Servicing by Ghirardi, some soil & losse back - \$9.00; Radio Physics Course by Ghirardi, have 10 copies, while they last - \$5.00 ea.; All About Aerials w/12 blue prints, 1922 - \$4.00; Radio World weekly magazine, 1929 to 1933, \$1.00 per copy; Zenith 35Z4GT tube, N.O.S., Crosley 6B5 & 25Z5 N.O.S., all original boxes - \$4.00 each; #46 dial bulbs, box of 10 - \$2.50; have some assorted Arcturus tubes at \$5.00 each. All plus shipping, minimum order \$7.50. Have 1000's of parts, tubes, knobs and etc., write wants - **SASE a must!**



FOR SALE: Test equipment as removed from service shops, all untested, sold as removed. Eico 322 Signal Generator - \$10.00; B&K model 200 Cathode Ray TV tube tester, 10 & 12" tubes, - \$8.00; RCA JR-20 tube tester for 50 watt Photophone UV-845 tubes, portable case - \$20.00; Readrite #700 3 Meter Set Analyzer - \$10.00; Jackson 636-C Tube Tester, no chart, - \$10.00; Superior TV-12 Tube Tester, no roll chart - \$15.00; Precision 920 Tube Testers (no lids) roll chart - \$20.00; Weston 665 V.O.M. - \$10.00; RCA TMW 95-B oscillator - \$15.00; Supreme 507 Signal Generator, rack mount (bezel missing), old - \$10.00; Old Leeds & Northrup Tester? - \$15.00; fifteen (15) assorted V.O.M and V.T.V.M.'s - \$8.00 to \$15.00 each; RCA TV-FM Sweep, 14 bands, # WR-69-A - \$35.00; Hallicrafters speaker & cases, have three - \$25.00 each. All plus \$2.00 handling and U.P.S. charge.



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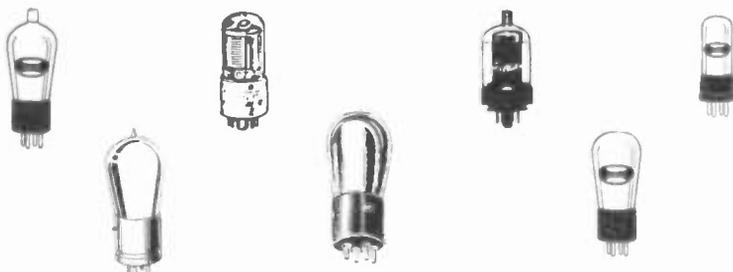
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Wish to reach us by phone? The number is 301-585-8776. Please call between 7:00 and 11:30 p.m. local time.



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2A3.....\$7	842.....\$5	866JR.....\$5
# ELECTRON TUBE(ANTIQUE GLOBE SHAPE)		27/227.....\$5
37.....\$5	41.....\$7	42.....\$7
45.....\$12	46.....\$7	47.....\$7
50.....\$15	56.....\$5	80.....\$9
82.....\$5	83.....\$5	842.....\$7
843.....\$7	1602.....\$7	10/210/VT25...\$11
UX 216.....\$7	UV 202.....\$12	866JR.....\$6
# ELECTRON TUBE(LARGE SIZE) 211/VT 4C..\$12		845.....\$22
# ELECTRON TUBE(mfg. WESTERN ELECTRIC CO.)		
WE VT 1.....\$16	WE VT 2.....\$16	WE 101D.....\$6
WE 101D(TENNIS BALL SHAPE)....\$13	WE 205B/D/F.....\$14	
WE 211D/E.....\$22	WE 216A.....\$13	WE 217A.....\$13
WE 242C.....\$22	WE 244A.....\$6	WE 247A.....\$6
WE 252A.....\$24	WE 262A/B.....\$7	WE 271A.....\$12
WE 274A/B.....\$15	WE 275A.....\$12	WE 276A.....\$20
WE 284D.....\$26	WE 300A/B.....\$60	WE 301A.....\$10
WE 310A/B.....\$7	WE 311A/B.....\$6	WE 339A.....\$12
WE 345A.....\$8	WE 347A.....\$7	WE 348A.....\$7
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