

Indiana Historical Radio Society

BULLETIN

VOL. 20

SUMMER 1991

NO. 2





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725 COLLEGE WAY
CARMEL, IN 46032

DUES, FINANCIAL, ADDRESS CHANGE
15 TODD PL.
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DONATIONS, SCRAPBOOK MATERIAL
245 N. OAKLAND AVE
INDIANAPOLIS, IN 46201

NEWS, ARTICLES, RADIOADS
3295 W. 246TH ST.
SHERIDAN, IN 48069

IHRS IS A NON-PROFIT ORGANIZATION FOUNDED IN 1971. ANNUAL MEMBERSHIP DUES ARE \$8.00 WHICH INCLUDES QUARTERLY IHRS BULLETIN. RADIOADS ARE FREE TO ALL MEMBERS. (PLEASE INCLUDE S.A.S.E. WHEN REQUESTING INFORMATION)

COVER: NOVEMBER 1925 COVER OF "On The Air" MAGAZINE

FALL FOLIAGE MEET ! SATURDAY 19-OCT-1991

10-19-91 IHRS FALL RADIO MEET 10-19-91

GREENFIELD, INDIANA

COFFEE-DOUGHNUTS-COKE-SPRITE
CHIPS-NAPKINS-PAPER PLATES SUPPLIED

RILEY PARK (PITCH-IN DINNER, BRING YOUR FAVORITE DISH TO SHARE)

SCHEDULE :

EARLY - NOON SWAP & TALK

NOON - 1:00 PM LUNCH

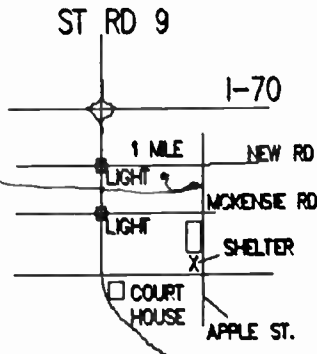
1:00 PM - 1:30 PM BUSINESS MEETING,
ELECTION OF OFFICERS

1:30 PM - ? SWAP & TRIP HOME

CONTEST :
OLDER HOME-
MADE X-TAL
SETS

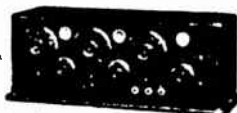
N
W + E
S

910 RIDGIZ DR
4th HOUSE ON
RIGHT
+62-4485-



WE HAVE A LARGE SHELTER HOUSE WITH PLENTY OF CHAIRS AND TABLES IN CASE OF BAD WEATHER. GLENN FITCH 317-565-6911

TRADE NAME: "Combidync."
TYPE: One stage of radio frequency amplification, detector and two stages of audio frequency amplification.
TUBES: Four.
BATTERIES: Not furnished.
CONTROLS: Three.
ARRIAL: Inside or outside.
PRICE: \$75.00 without accessories.
MANUFACTURER'S NAME: Wolverine Radio Company.



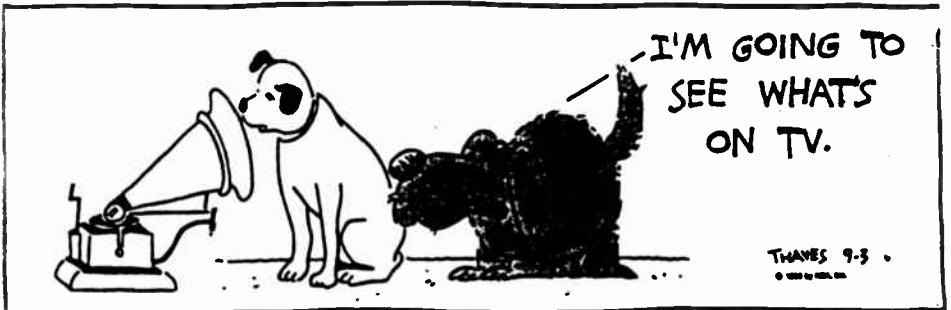
PRESIDENT'S CORNER---

AT PRESENT WE DO NOT HAVE A SUMMER MEET PLANNED. IF SOMEONE COMES UP WITH ONE, WE'LL SEND OUT A SPECIAL FLYER. WE DO HAVE A FALL MEET PLANNED, AND HOPE MOST OF OUR MEMBERS CAN COME. IT IS AN IMPORTANT MEET SINCE IT IS WHEN WE WILL ELECT OFFICERS AND SET OUR SCHEDULE FOR NEXT YEAR. IN SOME RESPECTS IT IS DIFFICULT TO PLAN AROUND VACATIONS AND ALL THE OTHER MEETS AROUND. JUNE 15 IS ARCA, JULY 13 MARC, AUG 10 ELGIN, SEPT 28 AWA...THE LONGEST SPACE OF TIME IS BETWEEN ELGIN & AWA.

SOME OF US HAVE BEEN WORKING ON A TENTATIVE SCHEDULE FOR '92. ONE THOUGHT IS TO MOVE THE MAY MEET TO THE MIDDLE OF MAY IN AN ATTEMPT TO GET SOME GOOD WEATHER. THEN A SUMMER MEET JUN 13 OR 20, AND FALL MEET OCT 17. BOB SHUCK HAS AGREED TO SPONSOR A MEET IN FEBRUARY. WE MAY HAVE BEEN DRIFTING A BIT FROM OUR ROOTS, AND BECAUSE OF THIS, I HAVE ASKED TWO OF OUR FOUNDERS DR. ED TAYLOR AND JIM FRED ALONG WITH BOB SHUCK TO ACT AS A NOMINATING COMMITTEE FOR OFFICERS FOR NEXT YEAR. I HAVE ALSO ASKED THEM TO TRY AND COME UP WITH TWO NAMES FOR EACH POSITION. IF ANYONE IS INTERESTED IN A JOB, PLEASE CONTACT ONE OF THEM. THIS DOES NOT PRECLUDE ANYONES NAME FROM BEING INTRODUCED FROM THE FLOOR, BUT IT COULD MAKE IT DIFFICULT FOR THEM TO GET ELECTED SINCE WE ARE GOING TO TRY AN INOVATION THIS YEAR. IN THE FALL BULLETIN WE WILL HAVE THE CANDI-DATES FROM THE COMMITTEE,AS WELL AS AN ABSENTEE,BALLOT SO THAT THOSE OF YOU WHO CANNOT ATTEND THE OCTOBER MEET MAY VOTE. THESE WILL BE TALLIED AT THE OCTOBER MEET. HOPE TO SEE MANY OF YOU THEN...

GLENN

FRANK & ERNEST 1988



Nominations for 1992 IHRS Officers:

President	Glenn Fitch
Vice President	Marilyn R. Johnston
Secretary	Paul Gregg
Treasurer	Glenna Sanders
Editor	Eric Sanders
Historian	Dr. Ed Taylor

Nominations for any office may be made, from the floor, prior to the election at our fall meeting on October 19, 1991 in Greenfield, IN.

Respectfully submitted by the nomination committee:

Bob Shuck
James A. Fred
Dr. Ed Taylor

Eclectic Point of View (BBS)
23 Hours a day (attempted)
2 Lines In -Live Chat
508-635-9921
508-635-0249
1200/2400 Baud, N. 8. 1
Currently a Free Access Board
K. Hall Voice 508-264-9898



NOT JUST A BUNCH OF BBS

What is an ALL ANTIQUE RADIO BULLETIN BOARD SYSTEM?

It is an electronic magazine that users can access with a modem and a computer.

Lee and Reggi Alder are radio collectors and have started an electronic magazine on the Computer Bulletin Board System. This BBS is dedicated to Antique Radios and related topics.

Lee enthusiastically told me. "There is a big difference between an on line magazine and magazines printed on paper. An on line magazine is a liquid, interactive product. Instead of sitting passively and reading the publication, the user may enter into the magazine and is able to contribute to its content."

Radio collectors who have articles or information to share with other collectors, don't have to wait for an editor's approval. The writer is able call the BBS and upload an article for others to read.

How would you like to instantly place an ad for something you wanted to buy or wanted to sell? The Antique Radio BBS allows a collector to type, (or upload), an ad directly into the electronic magazine.

How would you like to leave a public message, (to be read by other radio collectors)? Callers of the BBS may leave a public message, to be read by anyone who calls the BBS Magazine; or BBS users may leave a private message to be read by a specific person. In the message area of the BBS, collectors have given their opinions about radio prices, radio trends, and Catalin collecting. The message area of the BBS is a good way of making new "radio collecting" contacts from all over the country.

Reggi told me, "Even if collectors don't have a computer or modem they may still participate. Anyone who wishes, may send an Ad list or Want list and we will post it on the BBS for FREE!"

If you would like to access the BBS call (415) 491-0214. 6am-12mn PST 7 days a week. Bits/Parity/Stop: 8/N/1

All Antique Radio BBS
P.O. Box 6735
San Rafael, Ca 94903

REDUCE STATIC

by using our super-sensitive
Omni-Directional Aerial

*Collapsible, Ornamental,
Mechanically Perfect*

Can be used either as a loop
or antennae inside or outside.

A wonderful value featured at a
price within the range of all.

Ask your dealer or send order direct!

\$10.00

Prepared by: [unclear]

The Portable Globe Aerial Co.

1622 Locust Dept. 101 St. Louis



AMBASSADOR

Low Loss Products





**Master Tuning Coil
Perfectly Balanced Head Phone
Low Loss Condenser**

High grade, standard radio products that will increase the efficiency of any set and add to the satisfaction of the user. Ambassador Low Loss Products have long been the choice of quality buyers. See them - compare them, and you'll choose them too.

At all good dealers.

Write for FREE diagrams of circuits in which Ambassador products can be used.

AMBASSADOR SALES COMPANY
108 Greenwich St., New York
126 W. Madison St., Chicago





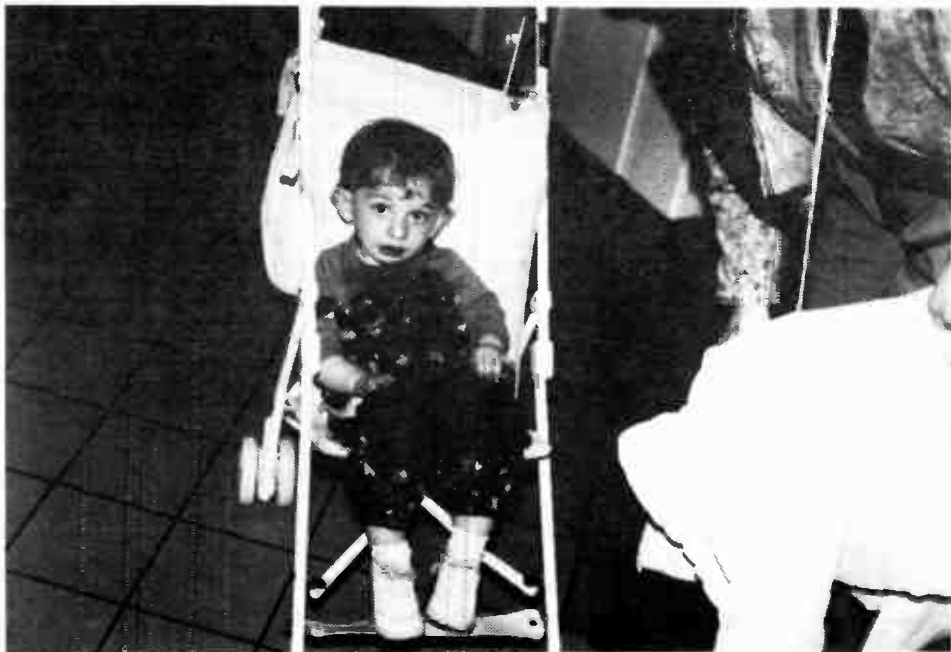
Activities at the Spring Meet: TOP- Sue Sands, KC Sanders, and Glenn Sanders do a great job of registering guests BOTTOM- A view of the Flea Market outside





TOP- Steve Waldron does his usual fine job of auctioneering with Marilyn and Ed keeping track of everything

BOTTOM- As this picture attests, your never too young to start collecting antique radio gear !





Nipper, friend return to RCA

Nipper is back. He's real. And he's not alone.

Yes, it's Nipper the RCA dog whose image, ear cocked listening to an early phonograph, accompanied advertisements for RCA products starting in 1929.

Thomson Consumer Electronics, the Indianapolis-based company that makes and markets RCA brand products, announced Wednesday that it has enlisted a live version of the familiar RCA pooch and befriended him with a younger look-alike terrier to help market products this fall.

Thomson — which is owned by the French firm Thomson S.A. — said it is the first time a live version of Nipper has been used for advertising.

The two dogs are part of the company's effort to promote its newer, high-end video products, including its Home Theatre line of large-screen televisions.

At a press conference in New York City, Thomson executive Marlin J. Holleran said the company wants to reposition the company's brand image somewhat.

"The RCA brand today is at the forefront of television design and technology," said Holleran, president and chief executive officer of Thomson Consumer Electronics Sales & Marketing — Americas. "Unfortunately, many consumers still perceive RCA as the same friendly, reliable but somewhat stodgy brand that has adorned their parents' living rooms for these many years."

Thomson's RCA brand is the market leader in U.S. TV sales. However, large-screen TVs advanced features are the market that provide the most potential for profits.

Thomson officials say they hope to use the new, younger dog to symbolize advanced features and design, while the traditional dog recalls traditional values.

By ERIC B. SCHOCH
STAR STAFF WRITER



KOKOMO!

AWARDS*****

- GREBE Award-(BEST OF SHOW): Joe Stafford- Tower Speaker
- Open Class - 2nd place - Jack Lavelle- Kolster 82 console
1st place - Joe Stafford- Tower Speaker
- Amer Trans - 2nd place - Ty Gregory- GE F507 (1953)
1st place - Tom Williams- GE F507 (1950)
- Exposed Tubes - 1st place - Carl Knipfel- Western Coil WC-15 Jr
- Art Deco - 2nd place - Bruce Eddy- Zenith 6D512
1st place - Bob Fiekarn- Crosley "Victory"
- Delco Covers 2nd place - Terry Gaur- Model 11-7
1st place - Tom Williams- 32V farm radio
- TRF Covers - 2nd place - Walt Sanders- Metrodyne Super 5
1st place - George Hauske- Fada 160
- X-tal Sets 1st place - George Hauske- Philmore (in box)

WANT-ADS**WANT-ADS****WANT-ADS

Wanted: 3 199 tubes that work
Arthur J. Bardish 4042 Herman
Avenue SW, Grand Rapids, Mi
49509

Wanted: Any color table radio,
Philco 48-460, Emerson EC 301,
Westinghouse H 124, Wesley R.
Neese 500A E. 87th St. #14A
New York, Ny 10128, 212-628-2139

Wanted: Dumont 20" Blonde
Hampshire TV (Very Large);
Zenith 15" (1953/54); Color TV;
Majestic 1-tube AC radio in
cardboard-like cabinet. Jim
Clark 1292 Starboard, Okemos, Mi
48864, 517-349-2249

Financial balance of Kokomo Meet:

Income	\$4,561.50
Expense	\$3,774.79
Total +	\$ 786.71

RCA Radiotron Power Amplifiers



UX 171-A



UX 120



UX 245



UX 250



RCA 231



UX 210

Dear Radio Collector Friends,

I and my sons want to thank the IHRS for the nice floral wreath you sent for my wife's funeral. We are going to keep it and replace the flowers each year and set it out at the Cemetary each winter.

She always enjoyed our trips to antique radio meets.

Thanks again:

Jim, David and Mark Fred

WANT-ADS****WANT-ADS****WANT-ADS**

RCA Radiotron Rectifiers and Regulators



UX 280
Full Wave
Rectifier



UX 281
Half Wave
Rectifier



UX 874
Voltage
Regulator



UX 886
Current
Regulators

FOR SALE: send SASE for list of several desirable books on antique radios, will trade Vol 15 riders for Vol 8, attention steam buffs---brass steam whistle & guage collection, Don K. Johnston RR 1, Box 218A, Windfall, In 46076-9706 317-945-7735

FOR SALE: We do reproduction plastic dial lenses. A.R.C. ad in the August issue. Call or write for more information: L.W. Terrell, 7109 E. Arbor Ave Mesa, Az 85208, 602-830-7849

FOR TRADE: Valuable collectable radios for Western Coil & Electrical sets I don't have, Radiodynes, made in Racine, WI Eric Sanders 3295 W. 246th St. Sheridan, In 46069 317-758-4988

Memories of the first IHRS Meet---Don Johnston invited me to a mysterious gathering of "Radio Enthusiasts" Saturday afternoon. Don was the only person I knew that collected things like radios and I liked him, but felt that I might be "Too young and inexperienced to be exposed to a bunch of well seasoned 'Greedy Collectors'". Don assured me that I would be safe, as long, of course, as I stayed near-by his side.

It was a cold and dreary fall/winter day in 1971 as I drove my 1965 Mustang convertible up 31 north. Apprehension was my co-pilot. At 25, and being from a small town, I was very proud of myself for finding the place and being able to find the place and enter the right door. Don and Marilyn were already there. That made me feel better.

Coffee, rolls and snacks were served. All of us made an effort to make the atmosphere friendly and pleasant. In spite of this, however, all of us had quietly roamed auctions, attics, antique and/or junk shops for years, and had learned (sometimes painfully) that it was USUALLY better to enter a new Antique Radio Venture with calculated, investigative caution. Remember the time you saw that first classic early superhet? Then your wife or friend says (always too loudly), "Hey! Look at this beautiful ANTIQUE radio, you need this for your COLLECTION!" Of course, the seller only heard "antique and collection".

There was nothing at the first meet to buy, or sell, but some of us were concerned that one of the other twelve attendees might be an unscrupulous dealer who was there only to find a source for profit and take advantage of genuine collectors, as in the above scenario. "Strictly for profit" was out of the question for me. I was interested in the historical significance of "Wireless", the birth of radio, and preservation of this great part of America's history. To tell the truth (being human), I suppose that I might have been just a little interested in improving the quality of my collection.----But NOT FOR PROFIT!

The meeting started by a few of us politely saying, "Well, shall we get started?", or some similar comment. It only took a matter of minutes for me to begin to realize that I was among group of people who shared my feelings. Soon, I knew that it was alright to feel the way I did (and do). The thirteen members of this meeting, to the last man, felt the same way I did. We expressed it with different words, but meant the same thing.

These accomplishments of that meeting come to mind. We thirteen, with help from family members, authored what I will call the bottom line purpose for the club (some will call it a Motto, Mission Statement, etc). When it comes to the club, for me, the bottom line is "PRESERVATION for POSTERITY". It was agreed that the Membership Committee should screen all antique dealers and that family members should be encouraged to actively participate. A constitution was roughly drafted, and of course we named this newly created club of ours.

We all milled around after the meeting was closed, sharing feelings, discussing the future of the IHRS. Our friends have all known we thirteen as dreamers, but even in our wildest dreams, I don't think we could imagine in 1971, how proud of the IHRS we would be in 1991.

I drove back to Kokomo in solitude. Somehow I knew that I was very lucky to have been a part of the first IHRS Meeting. I remember trying to figure out HOW I knew. Maybe Don and Marilyn Johnston felt the same way. I would ask them Monday at Delco.

Jim Thomas
April 1991

Post Script: Today I know why I felt so "very lucky". A special Thank You goes from me to each and every one of you collectors and historians that have been so successful at making that fragile thirteen member club become the outstanding IHRS that it is today. Again---Thank You

WINTER MEET : February 22nd Holiday Inn (Emerson Ave)
***** Chairman- Bob Shuck 317-849-0381

SPRING MEET : April 30, May 1,2 Ramada Inn Kokomo
***** Chairman- Don/Marilyn Jonston 317-945-7735



D. P. SMITH
 CERTIFIED FLIGHT INSTRUCTOR
 Box 81 — Olney, Illinois 62450
 Ph. 618-392-6601

4/14/91

Dear Glenna;

I recognize the treasurer is not really the right person to whom the following should be voiced, so please read and pass along to whatever person or committee is correct.

I have been looking forward to the spring meet ever since my first visit to an IHRS get-together last year, the one at Plymouth. And, I was very disappointed when the selection of location came out. I'd like to tell you and the club why.

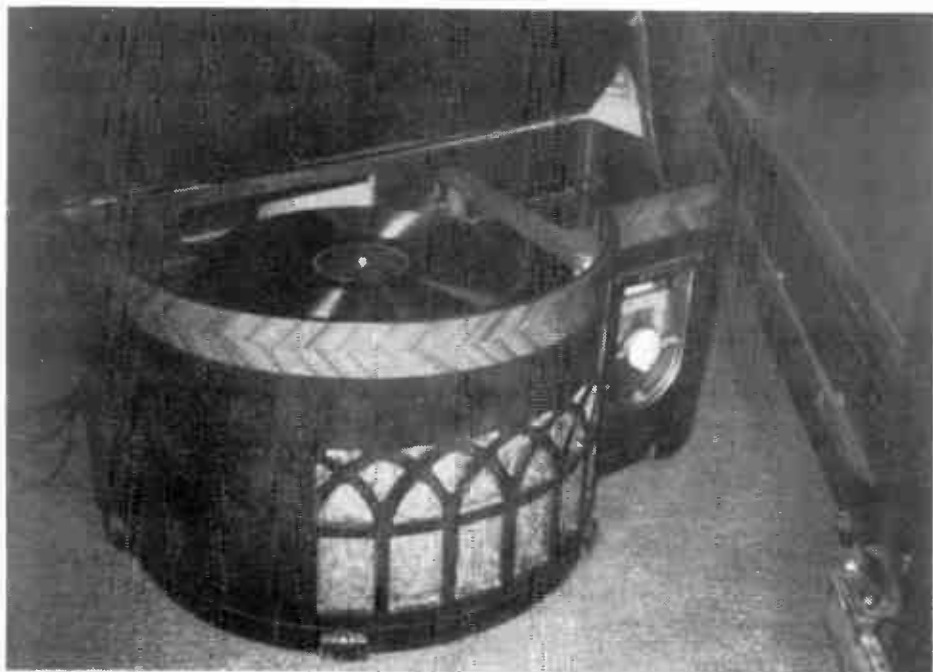
- 1) Are radio collectors an exclusively rich, retired bunch who no longer have to watch their money? Or who save it all up for one or two big yearly blows? The price of the so-called "bountiful" buffet is outrageous! Sixteen dollars, even in today's economy, is a lot of money for one meal. After all, this is not movie stars and Hollywood, or tux and gowns in New York City. This is rural Indiana. The proposed menu is OK, but the local Holiday Inn where I live could match it for less than \$10.00
- 2) The room rates are not at all out of line for a Ramada Inn, but why does it have to be a Ramada? Have radio clubs never heard of Motel 6? Spent the time to find some good independents? The worst ever, and, unfortunately, an entrenched choice of locations price-wise is Radiofest in Elgin. Rooms costing \$70.00 at a location out in the middle of nowhere, the absolute FITS as far as anything fun to do or see at night is concerned, but that's another story.
- 3) While it may be true that not everyone in town is to blame, I have no use whatsoever, ZERO TOLERANCE, for the way Kokomo acted in the Ryan White episode. Whether or not I am laughed at or cheered, for better or worse, right or wrong, smarter or dumber, I vote with my dollars and with my feet. If I visit the IHRS meet, I will not spend a PENNY in Kokomo. Not even a soda from a pop machine and I mean this literally!

Have you ever visited Cicero? The town which took the little boy in and treated him as Jesus taught? A place with nice rolling hills, beautiful, uncluttered countryside, and places for a swap meet? Meets don't have to be at national-chain motels. There's plenty of food and lodging at Cicero and many other places like it. Are all radio clubs really in this deep of a rich-man's rut? If so, how come?

Sincerely yours

David P. Smith, K9UIM, #9108

PS - Feel free to print this in the next newsletter
 "Let's go flying."



Here are a couple of pictures of the IHRS temporary display that was exhibited at the Fulton County Museum near Rochester- Ross Smith



TELEVISION BROADCAST STATIONS

Licensee and City	Station	Freq. (kc)	Power	
			Visual	Aural
Balaban & Katz Corp., Chicago, Ill.	W9XBK	6000-66000	1 kw	1 kw
Balaban & Katz Corp., Area of Chicago, Ill.	W9XBT	204000-206000	250 w	
Bamberger Broadcasting Service, Inc., New York, N. Y.	W2XBB	96000-102000	1 kw	1 kw
Columbia Broadcasting System, Inc., New York, N. Y.	W2XAB	60000-66000	7½ kw	7½ kw
Columbia Broadcasting System, Inc., Area of New York, N. Y.	W2XCB	336000-348000	6.5 w	
The Crosley Corp., Cincinnati, Ohio	WBXCT	50000-56000	1 kw	1 kw
Allen B. DuMont Labs., Inc., Area of New York, N. Y.	W10XKT	258000-270000	50 w	
Allen B. DuMont Labs., Inc., Passaic, N. J.	W2XVT	48000-56000	50 w	50 w
Allen B. DuMont Labs., Inc., New York, N. Y.	W2XWV	78000-84000	5 kw	5 kw
Allen B. DuMont Labs., Inc., Washington, D. C.	W3XWT	78000-84000	1 kw	1 kw
Don Lee Broadcasting System, Los Angeles, Calif.	W6XAO	50000-56000	1 kw	150 w
		49000-56000		
		60000-86000		
		50000-56000		
General Electric Co., Bridgeport, Conn.	W1XA	60000-86000	175 w	100 w
General Electric Co., Albany, N. Y.	W2XB	60000-86000	10 kw	3 kw
General Electric Co., Schenectady, N. Y.	W2XD	162000-168000	40 w	
General Electric Co., Schenectady, N. Y.	W2XH	288000-294000	40 w	
General Electric Co., New Scotland, N. Y.	W2XI	156000-162000	10 w	
Don Lee Broadcasting System, San Francisco, Calif.	W6XDL	50000-56000	1 kw	1 kw
Don Lee Broadcasting System, Area of Los Angeles, Calif.	W6XDU	318000-330000	6.5 w	
National Broadcasting Co., Inc., New York, N. Y.	W2XBS	50000-56000	12 kw	15 kw
National Broadcasting Co., Inc., Portable (Camden, N. J. & New York, N. Y.)	W2XBT	162000-168000	400 w	100 w
National Broadcasting Co., Inc., Area of New York, N. Y.	W2XBU	282000-294000	15 w	
		312000-324000		
National Broadcasting Co., Inc., Washington, D. C.	W3XNB	60000-66000	1 kw	1 kw
National Broadcasting Co., Inc., Philadelphia, Pa.	W3XPP	102000-108000	1 kw	1 kw
Philco Radio & Television Corp., Phila. Pa.	W3XE	66000-72000	10 kw	10 kw
Philco Radio & Television Corp., Philadelphia, Pa. (Portable)	W3XP	234000-246000	15 w	
Purdue University, W. Lafayette, Ind.	W9XG	66000-72000	750 w	750 w
Radio Pictures, Inc., Long Island City, N. Y.	W2XDR	42000-56000	1 kw	500 w
		60000-86000		
RCA Mfg. Co., Inc., Camden, N. J. (Portable)	W3XAD	321000-327000	500 w	500 w
RCA Mfg. Co., Inc., Camden, N. J.	W3XEP	84000-90000	30 kw	30 kw
State University of Iowa, Iowa City, Iowa	W9XUI	50000-56000	100 w	
		210000-216000		
Television Productions, Inc., Los Angeles, Calif.	W6XYZ	78000-84000	1 kw	1 kw
WCAU Broadcasting Co., Philadelphia, Pa.	W3XAU	84000-90000	1 kw	1 kw
Zenith Radio Corp., Chicago, Ill.	W9XZV	50000-56000	1 kw	1 kw
The Journal Co., Milwaukee, Wis.		66000-72000	1 kw	1 kw
Hughes Production Div. of Hughes Tool Co., Los Angeles, Calif.		60000-66000	10 kw	10 kw
Hughes Production Div. of Hughes Tool Co., San Francisco, Calif.		60000-66000	10 kw	10 kw
Columbia Broadcasting System, Inc., Los Angeles, Calif.		162000-168000	10 kw	10 kw
Earle C. Anthony, Inc., Los Angeles, Calif.		96000-102000	10 kw	10 kw
LeRoy's Jewelers, Los Angeles, Calif.		186000-192000	10 kw	10 kw
May Dept. Stores Co., Los Angeles, Calif.		210000-216000	10 kw	10 kw
Television Productions, Inc., Los Angeles area, Portable—Mobile Relay		234000-240000		
		240000-246000	250 w	
Metropolitan Television, Inc., New York, N. Y.		162000-168000	1 kw	1 kw
Columbia Broadcasting System, Inc., Chicago, Ill.		78000-84000	1 kw	1 kw
Kansas State College of Agriculture and Applied Science, Manhattan, Kans.		50000-56000	100 w	100 w
Farnsworth Television and Radio Corp., Fort Wayne, Ind.		66000-72000	1 kw	1 kw

THE ABOVE LISTING OF TV STATIONS IS FROM A 1941 FLYER. NOTICE THAT ON THE NEXT PAGE THERE WERE FEWER FM STATIONS IN THE COUNTRY THAN TV STATIONS IN 1941

FACSIMILE BROADCAST STATIONS

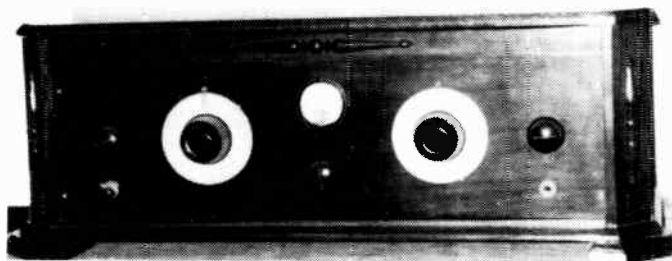
Licensee and City	Station	Freq. (kc)	Power
Bamberger Broadcasting Service, Inc., New York, N. Y.	W2XUP	25250	100 w
A. H. Bela Corporation, Dallas, Texas	W5XGR	25250	100 w
The Cincinnati Times-Star Co., Cincinnati, Ohio	W8XVC	25175	100 w
Courier-Journal and Louisville Times Company, Eastwood, Ky.	W9XWT	25250	500 w
The Crasley Corporation, Cincinnati, Ohio	W8XUJ	25025	1 kw
William G. H. Finch, New York, N. Y.	W2XBF	43740	1 kw
The National Life and Accident Insurance Co., Inc., Nashville, Tenn.	W4XIH	25250	1 kw
The Pulitzer Publishing Co., St. Louis, Mo.	W9XZY	25100	100 w
Radio Pictures, Inc., Long Island City, N. Y.	W2XR	43580	500 w
Sparks-Withington Co., Jackson, Mich.	W8XUF	43900	100 w
Star-Times Publishing Co., St. Louis, Mo.	W9XSP	25250	100 w
Symons Broadcasting Co., Spokane, Wash.	W7XSW	25150	100 w
United Broadcasting Co., Cleveland, Ohio	W8XE	43620	100 w
WBEN, Incorporated, Buffalo, N. Y.	W8XA	43700	100 w
WBNS, Incorporated, Columbus, Ohio	W8XUM	25200	100 w
WOKO, Incorporated, Albany, N. Y.	W2XWE	25050	500 w

HIGH FREQUENCY BROADCAST STATIONS

(FREQUENCY MODULATION)

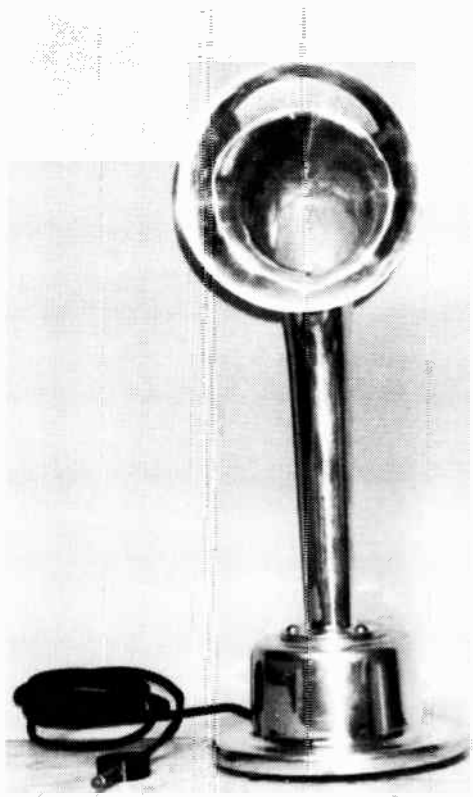
Licensee and City	Station	Freq. (kc)	Service Area (Square Miles)
Bamberger Broadcasting Service, Inc., Newark, N. J.	W71NY	47100	8500
Baton Rouge Broadcasting Co., Inc., Baton Rouge, La.	W45RG	44500	8100
Capital Broadcasting Co., Inc., Schenectady, N. Y.	W47A	44700	6589
Calumia Broadcasting System, Inc., Chicago, Ill.		46700	10800
Evansville On the Air, Inc., Evansville, Ind.	W45V	44500	8397
The Evening News Association, Detroit, Mich.	W45D	44500	6820
William G. H. Finch, New York, N. Y.	W55NY	45500	8500
Frequency Broadcasting Corporation, Brooklyn, N. Y.	W59NY	45900	8500
General Electric Company, Schenectady, N. Y.	W57A	45700	6600
Hawitt-Wood Radio Co., Inc., Binghamton, N. Y.	W49BN	44900	6500
The Journal Company (The Milwaukee Journal), Milwaukee, Wisc.	W55M	45500	8540
Dan Lee Broadcasting System, Los Angeles, Calif.	K45LA	44500	6944
Marcus Loew Booking Agency, New York, N. Y.	W63NY	46300	8500
Metropolitan Television, Inc., New York, N. Y.	W75NY	47500	8500
National Broadcasting Company, Inc., New York, N. Y.	W51NY	45100	8500
National Broadcasting Company, Inc., Chicago, Ill.	W63C	46300	10800
The National Life and Accident Insurance Company, Nashville, Tenn.	W47NV	44700	16000
Radio Service Corporation of Utah, Salt Lake City, Utah	K47SL	44700	623
The Travelers Broadcasting Service Corp., Hartford, Conn.	W53H	45300	6100
Walker & Downing Radio Corporation, Pittsburgh, Pa.	W47P	44700	8400
WBNS, Incorporated, Columbus, Ohio	W45CM	44500	12400
Westinghouse Radio Stations, Inc., Pittsburgh, Pa.		47500	8400
WCAU Broadcasting Company, Philadelphia, Pa.	W67PH	46700	9300
WDRG, Incorporated, Hartford, Conn.	W65H	46500	6100
WGN, Incorporated, Chicago, Ill.	W59C	45900	10800
WJJD, Incorporated, Chicago, Ill.		44700	10800
The Yankee Network, Inc., Boston, Mass.	W39B	43900	31000
Zenith Radio Corporation, Chicago, Ill.	W51C	45100	10760

TUNG-SOL AUTO RADIO TUBES
VIBRATION TESTED — RESIST SHOCK



George Hauske sends us the above picture of an attractive Remler Super using 6-99s and 2-01As. Nice ! He also sent in the photo of the horn below. It is as yet unidentified. An interesting 15" highly polished chrome affair! Using a Saal driver, and an absolutely straight neck. George wonders how efficient it ever was.

To The Announcer!



Salute the men of far renown
 Whose voices ring from town to town,
 Who greet us in a friendly way
 No matter what they have to say.
 They chat with presidents and kings,
 Drop jokes on us from airplane's wings
 Foretell the football's spiral curve,
 The pugilistic "right" observe.
 A great composer's noble strain
 These lads announce with solemn mien
 But when the jazzers toot and strum,
 They make the English language hum.
 No scene too great, no blurb too small,
 The Friendly Voice enfolds them all.
 And we, who listen from afar,
 Perceive how wise and kind they are
 And offer hospitality,
 As members of our family.
 They come to us in days of strain,
 They loose the nagging clutch of pain,
 They bring back sight to blinded men,
 Unlock the doors of life again.
 Through them the old folk tread once more
 The merry scenes they knew before
 Old age held up its warning hand,
 And footsteps slowed at Time's command.
 All hail the new fraternity,
 Blithe spokesmen of that mystery,
 That art, invention, super-show,
 That magic gadget,—Radio!

DEFOREST: INVENTOR OF THE DIODE?

J. A. Fleming brings out some amusing history in his book "The Thermionic Valve," London, 1919. The appendix has testimony from trials brought against de Forest and company in 1916-1918 by Marconi of America, assignee of the Fleming patent. At issue were patents listed in Table I. Also listed is a patent by von Lieben who early on produced a successful triode amplifier (AWA Review, Vol 5, 1990, p45.). His patent precedes the triode patent application of de Forest who claimed only an improved detector at that time.

In the trials, de Forest built his case on a series of his patents beginning with his strange Bunsen burner flame detector patent (applic. Feb, 1905). The patent, 979,275, issued Dec. 1910 after an extraordinary delay of nearly six years. It was the only de Forest patent whose application preceded the Fleming diode patent which was being stretched in the trials to cover the triode. e.g. "In this de Forest circuit...the cold element is divided up. These are two well-known, standard, equivalent circuits. You may use either device in either circuit." On the other hand, de Forest was trying to make his flame detector appear to be a logical step in the development of the triode with its incandescent filament.

When Fleming's diode patent issued, de Forest immediately patented several diode configurations. Many of these were in a gaseous medium; some in partially exhausted vessels; and a few in vacuum - claims 21 through 25 of 841,386. His Figures show two plates electrically connected with a heated filament between. Why these claims were allowed is a mystery. This patent has many other interesting features. One Figure showed hinged iron plates movable by magnets outside the vessel - apparently forming a complex tuning condenser. He also claimed tuning by varying the filament or anode voltage, or by an impressed magnetic field, or by varying the temperature of an enclosed gas.

In several of these patents de Forest shows a weird diode in which both electrodes are heated filaments. In 979,275, the long-delayed original patent on the flame detector (five Figures), there appears a sixth Figure which was apparently added later using the two enclosed heated filaments. Current from a dynamo enters the lower end of each, the upper ends of which are joined through a telephone receiver, which thus carries the entire filament current. The antenna signal seems to be shunted to ground through the dynamo. A similar two-filament diode appears in three other patents. (824,637, 867,876, 867,877)

In the triode patent, 879,532, de Forest tells us that the grid-shaped conducting member between filament and plate "increases the sensitiveness of the... detector... the explanation of this phenomenon is exceedingly complex...I do not deem it necessary to enter into a detailed statement of...the probable explanation." Yet he allowed his witness, Pickard, to come up with this interesting theory: that the action of the grid was by ionization by impact, and therefore, that it was necessary to have a local battery to impel electrons at a high speed on their journey of succeeding collisions. If de Forest had the wisdom to invent the triode, why was he so at loss to explain a simple reason that it should be more sensitive than the diode? He already had Fleming's clear explanation of diode operation: "negative electricity can pass from the hot conductor to the cold conductor, but not in the reverse direction." Furthermore, why would

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the inventor of the triode apply five months later for two additional patents on the flame detector?

At the trials an interesting comment was quoted from 'The Electrician' 11/21/13: "We think that Dr. de Forest might be more generous in his acknowledgment of the work of Dr. J. A. Fleming. Our readers generally will probably agree that the audion, although differing widely from the Fleming valve, is an offshoot of it." Nowhere in these de Forest patents do I find any acknowledgment of Fleming's work.

TABLE I
CHRONOLOGY

USP NO.	APPLIC.	ISSUE	CLAIM
THE FLEMING PATENT			
803,684	4/19/05	11/07/05	Diode, vacuum
THE de FOREST PATENTS			
979,275	2/02/05	12/20/10	Flame; 2 fil diode
824,637	1/18/06	6/26/06	Diodes, gas, 0-2fil
867,876	4/04/06	10/08/07	2 fil diode gas
836,070	5/10/06	11/13/06	Diode, gas
841,386	8/27/06	1/15/07	Diode, gas or vac
879,532	1/29/07	2/18/08	Triode det vac/gas
867,877	6/12/07	10/18/07	Flame; 2 fil diode
867,878	6/12/07	10/08/07	Flame
THE von LIEBEN PATENT			
DRP NO. 179,807	3/04/06	11/18/06	Triode amplifier

29846 C.R. 190
Fresno, Ohio
43824 11/17/90

Mr. Eric Sanders, Editor IHRS Bulletin
R. 2, Box 405
Sheridan, IN 46069

Dear Eric,

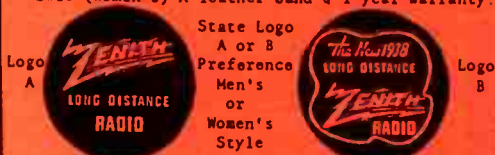
I have assembled the enclosed material on de Forest as a possible article in the IHRS Bulletin. Since it contains considerable historic material, I have also sent a copy to Dr. Ed Taylor for his critique.

The patents and litigation, as well as the article in AWA Review Vol 2, 1987, page 6, are very disillusioning to me. The worst of it is that de Forest claimed invention of the incandescent filament diode after the Fleming patent issued - and the patent was issued to de Forest despite his re-inventing the wheel'.

Best regards,
Bob
Robert F. Miller

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Memorial Obituary

Mary E. Fred, wife of James A. Fred, Charter Member of IHRS, died April 11, 1991 at St. Joseph Hospital, Kokomo. The surgeon had just completed a right hip joint replacement surgery when an embolism stopped her heart beat. Efforts to restart her heart were unsuccessful.

Mary and Jim met at Delco Radio Div., GMC in 1944 and were married September 5, 1945. Mary enjoyed and loved nature; especially trees and birds. She made many oil paintings. She also enjoyed sewing, reading, and crossword puzzles. She had a sweet disposition and kind nature. Her many, many friends in IHRS, AWA, and other radio clubs will miss her very much. Jim says it best of all, "She was the most wonderful wife a man could ever have."

Surviving with the husband are two sons, James David and Mark Andrew of South Bend and Logansport, respectively; five grandchildren, five sisters, and two brothers.

Flowers were sent by the Treasurer from IHRS.

ERLE WILLIAM LAMB, 80, died at 12 55 a.m. Monday at St. Joseph Medical Center. Born in Gardner, Mass., he lived in the Fort Wayne area for 55 years. He was superintendent of maintenance for ITT for 44 years and was also a swimming instructor at the YMCA for 40 years. His wife, Mary Virginia, died in March. Surviving are two daughters, Rebecca Zimmerman and Marilyn Gemmer, both of Fort Wayne; a brother, Edward of Chicago; two sisters, Alice Ahern of Enfield, Conn., and Eleanor Loughlin of Clarks Cove Walpole, Maine; and six grandchildren. **Services at 11 a.m. Wednesday at D.O. McComb & Sons Foster Park Funeral Home, 6301 Fairfield Ave. Calling from 2 to 4 and 7 to 9 p.m. today. Burial in Greenlawn Memorial Park. Memorials to Colony Heights Church of Christ.**