9th Dec. 1960

Frank Pagano is a deaf mute 30 years old who works in printing industry. He cannot read lips and must communicate by writing notes. His father died about 20 years ago and apparently had a lot of radio equipment or was a radio parts dealer. Frank inherited it and has taught himself quite a bit about the old sets by reading mostly Radio News. The deaf mute school did not teach engineering and he has only cursory ideas about radio engineering. He is a pleasant rather slight fellow and quite active who loves the old gear but is not very possessive. Apparently considerable of his income goes toward buying more; but he looks for bargains and will not pay high prices. He bid $24 for the Federal 61 which I paid $35. He says he builds old sets but I did not see a single one he assembled. Mostly he takes them apart and fusses with the interior which may be better or worse afterwards.

He wants my Neutrowound, Stromberg-Carlson, Large Zenith and one UV1714 transformer and perhaps other things.

He has chassis of Hammarlund-Roberts Hi Q; New bit of parts for Tuska Superdyne and a lot of loose parts such as tube sockets, variable condensers, mica condensers, R.F. trans. as follows:

1 DX-1
3 Acme R-1
Several Acme R-2
Several Acme R-3
4 Acme R-4 (bad)
Many Dubilier Duratran
Many Screen Grid "
Many RF 1 unknown
Few RF 2 unknown
Few Federal #1 old style
Few Fibral #2 old style
12 Raela 6
1 Raela 6A
1 Raela 5
1 each of few others which I cannot remember.

"I.F. Trans as follows:
Many Remler
Few Hazeltine Griffin
1 Samson HW1
Couple of others I cannot remember.

I bought the following for 50¢ each

2 Dubilier Screen Grid Duratran
1 Acme R-1
1 Federal #1 old style
1 Federal #2 " "
1 RF1 unknown.
1 RF2 unknown
1 Raola 6

He will probably part with more if I buy in small quantities. Apparently he would like to trade instead of sell and will buy if price is low.

He has a Golden portable type P-9 made in Philadelphia? It is about 20"x8"x10" high. Uses 6-199 tubes. Has All-American 1st A.F. + General Radio 2nd A.F. The three R.F. trans are apparently made by Golden. They are about ¾" square x 3" long in waxed cardboard cases. Whole set looks cheap and poorly made inside. I offered to trade him my new Neutrowound for the Golden and bit of Superdyne parts. He seemed agreeable.

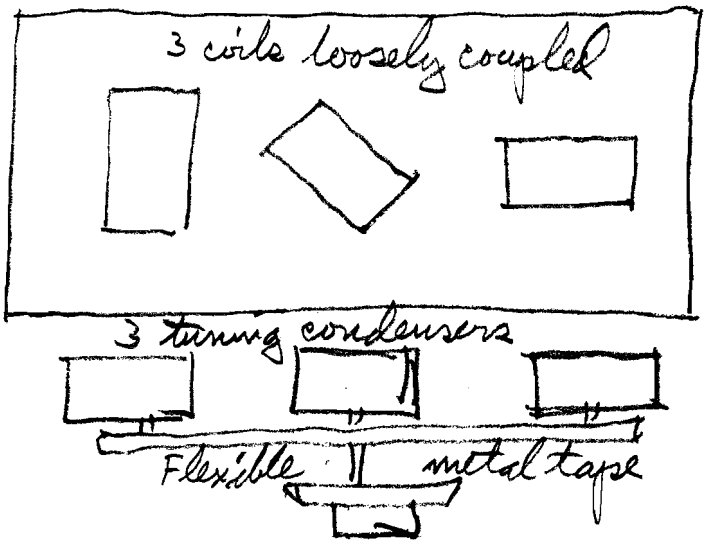
He has a lot of stuff in cartons in garage which I couldn't see very well. Altogether probably 70 to 80 sets, all Broadcast receivers, no spark or amateur gear.

See Radio News abstracts for mention of Golden portable.

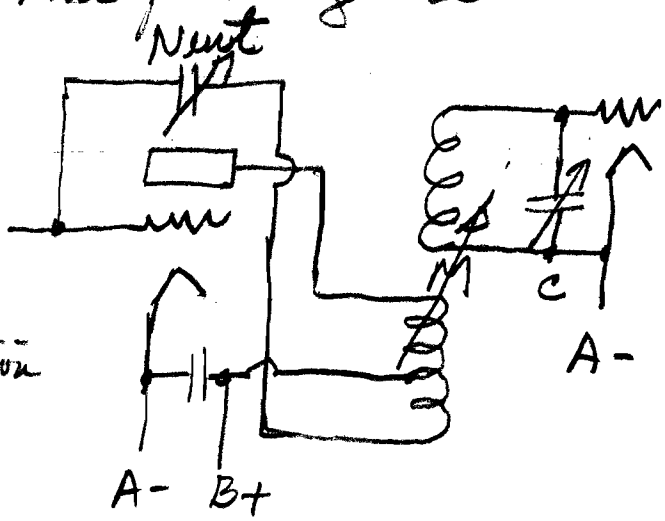
Visit to Frank Pagano 8 to 10 pm
1835 West 7th St
Brooklyn 10023, N.Y.
Items of interest: 24 September 1962

A. RCA #28 with loop uses 8 tube catacomb. He had opened one up. It has 3 iron core (.010" approx) laminated I.F. transformers and 2 A.F. transformers. The 8 tube catacomb came out about 1926. The 6 tube about 1924. Wax comes up to about ½" below socket strip. about 45KC

B. Atwater Kent model 50. There are three loosely coupled tuned circuits in a box between antenna and first grid. The coils are litz wound about 2"x2". Tuning condensers are outside box but ganged by means of a flexible metal tape. First R.F. stage is followed by three more R.F. stages using four untuned interstage transformers. A detector and two audio make a total of 7-201A tubes. About 5000 sets made in 1927. See patent #1519621. Probably very poor performance for number of tubes used. However an interesting engineering oddity. Seems like an attempt to get all selectivity before first grid to prevent overload in regions of high signal strength.



C. Hammarlund Hi Q receiver has two TRF stages with variable coupling in R.F. transformers to flatten gain across the band. The primary and secondary remain coaxial but primary is moved away from secondary as frequency increases by an appropriately shaped cam. True neutralization is achieved by a center tapped primary as shown in sketch. Good engineering job. M+C are on same shaft.




D. Norden-Hauk Super-10 receiver is a 6 tuning condenser TRF set with ten tubes. Not a superheterodyne.

E. Karas Equamatic. This has very offset tuning condensers to give straightline frequency characteristic over the entire broadcast band. The primaries of TRF coils are mounted on back of tuning condensers at an angle. The coupling to secondary increases as frequency decreases. This flattens gain over band. However no provision is made for neutralization. Apparently stability is achieved by a resistor in series with each tube grid in manner of Atwater Kent receivers.

Karas Equamatic has 5" dials finely engraved with verniers. However gears inside have disintegrated to pieces. Rather poor low Q secondary coils on TRF transformers.

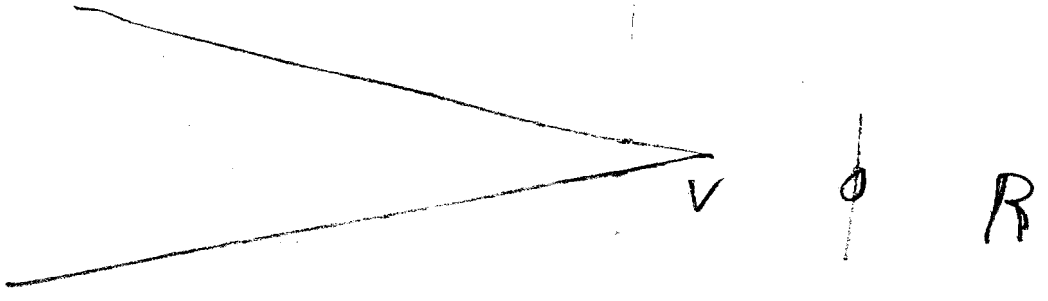
F. Stromberg Carlson well known TRF set with two dials and meter on front comes in two types. The ones with TRF shield cans painted black are for AC operation with very heavy power supply using tungar bulbs, etc. The ones with TRF shield cans bright finish are for battery operation.

G. Acme receiver. At left is an Acme condenser with "D" coil on back. At center is another Acme condenser. Then Acme R-3 and R-4 untuned R.F. transformers. The left condenser tunes a loop antenna. The center condenser tunes secondary of D coil. The D coil changes coupling and flattens gain across band. This set has 2-TRF, 1-untuned R.F., untuned detector and 2 A.F. for a total of 6 tubes. No attempt made at neutralization. Rather a rough job.

H. I secured an Atwater Kent type LR untuned R.F. transformer from him, no charge.

Take shuttle to Times Square.
BMT line Sea Beach
Get off Kings Highway St. Brooklyn.
Leave by front end Door.
Crowd corner right hand side & come
out on 7th St.

Arrive 7 pm on Thursday




Arrived on 30/11/62 all OK, $2.30 postage

2429 San Carlos Ave.
San Carlos, California.

29/9/62 Visit to Paul Giganti,
He has remains of his half of collection
of Howard Greenwood, I bought ~~the~~ following:
8- Untuned R.F. Transformers

Paid 50¢ each
Total $4.00

- 2 Acme R2
- 1 Acme R3
- 1 Federal 275-600 metres (primary)
- 1 Raulard ine nickel case
- 1 Atwater Kent LR
- 1 RCA 200-500 + 500-5000 metres
- 1 Acme 30 KC I.F.

Also ordered custom built home made sets

| | |
|---|---|
| Remler 8 tube superhet | $20 |
| Magnaformer " | $15 |
| Total | $35 to be paid |

He offered me:
Tuska Superdyne $40 (over)

---

Floyd Lyons gave me
1 Set of Erla untuned transformers AB1, AB2, AB3,
The secondaries are all open
1 Special R.F. #20 with yellow case. He has
another similar one with red case #32, also
an extra AB3, a RSL ~~REL~~ type T1, 3 Erla trans.
Try to buy these at a later date (over)

Paul Gigante is to ship by s/a parcel post insured to me in Hobart both the 2 transformers I bought from him and the 4 from Lyons.

He also has a "Dog" homemade set which may be useful for parts. It contains 2 - Remler condensers and three Silver Marshall AF transformers plus assorted other parts $5 in wooden cabinet.

He probably has a set of Samson I.F. transformers in a kit for $10. See list from Stegner.

I should offer him or Floyd Lyons up to $30 if they can get the beaten up Infradyne I.F. strip chassis away from Howard Heiny. The panel is broken and R.F. coils are torn, but I.F. box (Infradyne) seems OK.

Paul has a 5 tube TRF set with inductive tuning which might be worth acquiring. The tuners seem to be "D" coils wound on red fibre sheet. Each has a separate dial and sets looks like a conventional 3 dial TRF from front.