

PARTS LIST

CAPACITORS:

C1, 2—4 mfd
C3, 4, 5—.01 mfd

RESISTOR:

R1—500K pot

COILS:

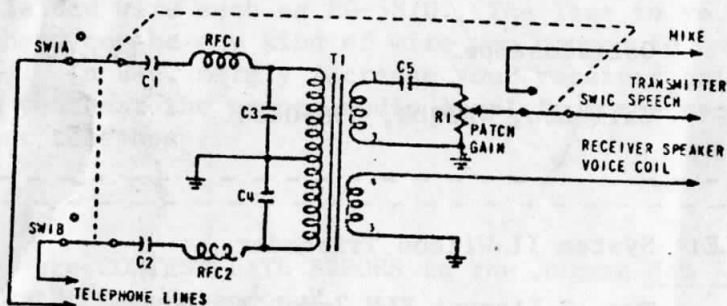
RFC1, 2—2.5 mh chokes, National
R-100.

TRANSFORMER:

T1—Part of RM-52 unit

MISCELLANEOUS:

SW1A, B, C—Triple-pole,
double-throw: 399378-FC



See the legend on this inexpensive telephone patch inside.

WANT ADS

FOR SALE: Virbo-Plex Electronic Keyer with Chrome Base.

Call Ken, WbØVRN, 338-5539 after August 9th.

WANTED: HFT*CR. Call Dave, KAØAVB, 351-4380.

FOR SALE: Two 10-15-20 Vertical Antennas, one with Ground Plane. \$15.00

One Vacuum Tube Volt Meter. \$25.00

Oscilloscope. \$75.00

Call Lou, WAØQDB, 338-0884.

FOR SALE: System II Wilson Tribander.

Two 12-Element KLM 2-Meter Beams with Baluns, Power Divider, and Matching Harness.

Yaseu FT-101-EE.

Call KØCKX, Gene, 354-4478.

FOR SALE: Hallicrafters S-38C. Needs work on BFO, but plays fine. \$15.00

Call Tom, KOØBG.

This month's cover is an inexpensive telephone patch. The heart of this is a RM-52 Signal Corps Remote Control unit. The RM-52 can be purchased from any number of surplus dealers for less than \$3.00, the transformer removed, and the rest of the patch thrown together with a variety of junkbox components.

Construction is rather simple if you follow the diagram closely. In operation it should be borne in mind that the audio power from your patch into the telephone line must never exceed 1 milliwatt. If it does, you will encounter cross-talk on the line and will shortly hear from the telephone company. To help you maintain this audio level, remember this trick: The audio from your receiver, as heard in your telephone, must never be as loud as your own voice heard in the telephone when speaking normally.

Connection is made to your receiver speaker voice coil with a piece of lamp cord. The cord to the transmitter must be of shielded wire such as RG-58/U. The line to your telephone may be any kind of wire you happen to have laying around. In use, merely increase your receiver gain control until you hear the proper audio level from the receiver in your telephone.

There were CONTEST DATE ERRORS in the August Ham Radio Horizons" "Ham Calendar."

ARRL's UHF Contest will be August 5th and 6th; not 12th and 13th.

Add the WAE CW contest to the August 12-13 weekend.

The Iowa City Amateur Radio Club meets the second Wednesday of each month in the Community Room in the basement of the First National Bank of Iowa City at Towncrest, 1117 William Street, Iowa City, Iowa.

The meeting begins at 7:30 P.M. local time.

See you on Wednesday, August 9, 1978.

Most Ham Operators in the Iowa City area are familiar with the handles, "Doc" and "Al" and/or the call WØGET. Many people outside our local area also recognize these I.D.'s because this man is well known in all parts of the United States and in Europe. And, well he should be!

Dr. Alson Braley first became interested in radio communications when he was twelve years old. He build his first receiver at that time, ".....the then popular home-brew crystal set." He also had a spark-gap generator transmitter, which he later put to good use when he received his first call, 9ANV, at the age of twenty.

Doc operated under this license until he started premedical school at the State University of Iowa. He then let his license lapse because of a greater priority--studying. His interest in radio had a secondary priority, so he could only spend as much of his free time as possible listening to amateur radio.

After graduation from the S.U.I. Medical School, Dr. Braley served his Internship and Residency at the University Hospitals here in Iowa City. In 1941 he moved to New York and he again became interested in television. This interest had originally prompted him to build his first set in 1928. This was successful only to a point. His first real success at homebrewing a fine television receiver was in 1943.

In 1950 Dr. Braley resigned his position as Head of the Department of Ophthalmology at New York University to accept the same position at the University of Iowa Medical Center. Luckily after returning to Iowa City, Dr. Braley met Ted Hunter, who whetted Doc's Amateur appetite by acquainting him with a KWM2. Doc took the test for his General license in St. Paul in 1955, and received the call which he still holds, WØGET. He then upgraded to Advanced Class in Miami, Flroida, in 1968.

Dr. Braley and Ted Hunter worked hand-in-hand originating the Eye Emergency Net which was formed in December of 1962. The culmination of Dr. Braley's brain storm was an organization which is responsible for restoring the vision

of many sightless people. The Eye Bank Net is still one of Doc's main interests in radio--the other is the art of "Rag Chewing."

Doc now operates a KWM2, which has been upgraded several times; ST6-Hal RTTY with T.V. Readout; an Atlas 215x mobile; and an ICOM 225 2-meter rig; in addition to Collin's "S-line" equipment. At the present time he is in the process of replacing his tower and antennas which were damaged by one of our recent thunderstorms.

Dr. Braley is a member of numerous Clubs; namely, Q.C.W.A. #8377; A.R.R.L. since 1960; Iowa City Amateur Radio Club since 1955; Old Timers Club; Gold Coasters Club. He is a member of the Medical Amateur Radio Council, and was presented with the Award for Service from that organization. The Rag Chewers Club Award is also hanging in his Shack. Dr. Braley has served as Trustee for the University of Iowa Radio Club Station, WØIO, for two years. He holds a Code Proficiency Award for 25 words per minute.

Alson Braley was born at Lake Mills, Iowa, in 1906. He attended elementary school in Wesley, Iowa, and is a graduate of the Wesley High School. He attended the State University of Iowa Medical School, and graduated from same in 1931. As mentioned before, he served his Internship and Residency at the University Hospitals. Doc spent four years in the Navy Medical Corps, and in his spare time used his knowledge of radio to repair "junked" radios. These he "issued" to his patients so they could enjoy radio broadcasts

Dr. Braley and Hazel Deming were married the year he graduated from medical school, and they have raised three children--Alson D. is an engineer with A.T. and T.; Janet lives in Idaho, is a professional potter and a housewife; William makes his home in New York City and is a computer expert dealing mainly with "soft ware." The Braley's are also the proud Grandparents of five grandchildren.

Doctor Braley retired from the University of Iowa in 1969, and since then has been enjoying every minute of his retirement. We wish him the best and hope he enjoys many more years of the same. If you hear the call, WØGET, give Doc a call. He loves to chew the rag. 73, Doc.

EXCERPTS FROM HR REPORTS

An all-time high of 346,735 U.S. Amateur Operator Licenses were in effect at the end of June. This is a growth of 8½% in the Amateur population in the past year. There are 20,468 Extra Class; 80,364 Advanced; 115,995 Generals; 67,096 Technicians; and 62,812 Novices.

Yaesu will have two new 2-meter radios out about the first of September. The FT-202 is an all new compact, 6-channel, 1 and 2.5 watt handheld priced at \$199. The FT-227RA is an expanded version of the FT-227R, with four memory channels instead of one, and scan capability. It is priced at \$399.

"Rubber Ducky" 2-meter antennas with TNC, BNC or F connectors are now available from Antenna Specialists. Their new catalog, HM-1001, has the details.

Amateurs who have converted CB radios to 10 meters may be interested in an accessory VCO now being closed out by PAL for sale to Amateurs only. The units, which cost \$39.95, come with a choice of 15 different frequency ranges, compatible with most 23-channel CB sets, providing 28.5-28.9 MHz coverage in 1 kHz steps. Write PAL at 2614 E. Adams, Phoenix, Arizona 85034 for particulars.

1978 Archer Semiconductor Reference and Application Handbook has been announced by Radio Shack. Its 144 pages include replacement information on over 46,000 devices. It is priced at \$1.95.

Repeater Dxing was condemned by the Ohio Area Repeater Council at its July meeting in Delaware, Ohio. After a long discussion the Council reaffirmed its previous strong stand against the practice and urged repeater operators to discourage such activities on their systems whenever they occur.

Wilson's Mark IV Handheld can be easily modified to high/low power operation by means of a simple circuit modification developed by Spectronics in Oak Park, Illinois. An SASE to Spectronics, 1009 Garfield, Oak Park, IL 60304 will bring details.

For you Old Timers, Vic, W5MCO was in town this week. He looks great and is still very active in Ham Radio (only CW).

The day after the July meeting, WBØVMV received a telephone call from one of the Club members. He said he thought people were abusing the Repeater, and suggested that something be printed in the RAG about it. He felt that the people could QSY to another frequency if they wished to talk for extended periods of time.

On July 17th I recognized the call of one of my co-workers. Although he has had his license for twenty-three years, he had not been on the air for several years. He's been busy being a Husband and Father. Anyway, I broke for him and we chatted for a couple of minutes. Found out he had a Wilson hand-held, that he was working in his garage, was glad to be back on the air, and all that sort of good stuff. When I went to sign off I said, "I guess I better sign off, I don't want to tie up the Repeater." He answered back, "I don't worry about tying up the Repeater; if anyone wants to use it, they can break in."

On July 19th Dick and I visited a member of the Club, and I mentioned the above conversations. He said he agrees with the second of the above two. He added that several years ago the Repeater wasn't used at all and "...we were begging people to use it." He is more concerned that people should sign on and off correctly.

Another Club member we talked to about this feels that people should QSY to Simplex if they have the capabilities rather than talking on the Repeater for long periods of time.

So there you have several opinions. It is almost a case of, "You pay your money; you take your choice."

Don't wish to start a controversy about this, just thought the different opinions were interesting, and possibly food for thought.

The Des Moines Hamfest will be held at Veterans Memorial Colosseum August 19th and 20th. There are going to be Seminars on various subjects the first day. There will be an auction late Sunday afternoon.