

PACK RATS'



CHEESE BITS



CLUB CALL: W3CCX

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ARNS

MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PENNSYLVANIA
50.125, 144.50, 432.110, 1296.025 Mhz, WR3ACD - Repeater 222.98/224.58 Mhz
Affiliated Club: AMERICAN RADIO RELAY LEAGUE
Meetings: Third Thursday of each month at 8:00 P.M.
Southampton Free Library, 947 E. Street Road
Southampton, Pennsylvania 18966

VOLUME XXIII

APRIL, 1981

NUMBER 4

THE PREZ SEZ

June VHF Contest plans are in the making and this year we plan on making the competition loser than it has been for a while. Bill, W3HQT, has assembled an eager bunch of band captains and assistants (with so many different bands it seems like it's half of the club). Things are well underway by now with aluminum already being bent and cut for new antennas for the effort. As usual, the plans are ambitious but it's better to have big plans and miss them a little than have small plans and meet them. As requested before, help is needed, so in the best of Packrat tradition, volunteer before you are drafted. In many ways the final score of the June contest is obtained the same way as in January - by putting in the hours - this means operators and loggers on all bands at all times.

The program chairman is always on the lookout for informative and interesting programs for our meetings. You can help by keeping eyes and ears open for possible programs. Let me or Dave, WA3JUF, know what you come up with. One of the more traditional meetings that we hold is our ARRL Night in May. This years guest from the league is John Lindholm, W1XX, Communications Manager. We're all expecting the usual addition to our collection and a lively exchange on operating - especially on the VHF bands and VHF contests.

73, Harry, W3IIT

* * *

VISITORS AT THE MARCH 19, 1981 MEETING

N2ASC - Dan Curran, Burlington, N.J.
EX K3EMR - Gus, Elkins Park, Pa.
WB3EFO - Ed Lee, Huntingdon Valley, Pa.
N3AYJ - Glenn Bartlett, Folcroft, Pa.
N3BHS - John Blubough, Norwood, Pa.

VOTED TO RETIRED STATUS

K4AWS, Tony Slapkowski

APPLICATION FOR MEMBERSHIP

N2ASC - Dan Curran
1505 Wall Avenue
Burlington, N.J. 08016
609-386-1540

CHANGE OF ADDRESS

N3EG/6 - Earl Garber
427 E. Orange Grove #106
Burbank, CA. 91501
213-840-8281

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. UHF SLOTTED ARRAY ANTENNA: HVB Co. is producing a small 16 DBI antenna array for 2100 MHz which has lower wind loading than the normally used dish for the same gain. Unit is 24"x5"x1" and can be used vertically or horizontally. Fitted with type N connector. Price \$35.00 postpaid; 1508 Ports O'call, Plano, Texas 75075.
2. SONY RECEIVER ICF 2001: The new ICF 2001 does not have a tuning dial or knob for frequency selection. Instead, a tuning keyboard is used with a liquid crystal display to read the frequency directly. In addition, the unit can be set up on six memory channels for the most used frequencies. Automatic scanning can also be programmed into the 2001. Operation is available on AM FM SSB and CW. Price \$300.
3. LOOP YAGI ANTENNA: H M Goodwin (Adv. in 73 Mag.) is selling a group of products for use on the ham 2304 band, "etc." One of these items is a loop yagi rated at 20 DB gain. Some assembly is required. Price \$45. (ship \$5); 11421 Fernald Ave., Dallas, Texas 75218

* * *

VHF/UHF REPORT

By Joe, W2EIF

The VHF bands have shown the usual inactivity. There have been a few openings on 6 meters. March 6th produced a 50 Mhz opening to the South. HK4EB and TI2NA were in as well as the FM stations 50.075 to 50.125 Mhz from Columbia. The 8th opening gave us HCLBI from Ecuador, but there was little activity locally for him to work. It is reported that W3XO and W4CKD worked into South Africa, also on the 8th using CW at 50.04 Mhz.

2 meters has the usual activity in the evening centered around 144.2 Mhz.

220 Mhz has picked up considerably. I refer to 220.1 and below and CW/SSB. The Tuesday night (9 PM) activity includes WA2DPU, W2EIF, WB2RVX, K1PXE, K1FO, WB2ONA, W3IY/4, W2KFC/4 and WA4SBC. The latter runs a KW and has an excellent signal locally. There are also other VA and MD stations running low power or small antennas which makes it hard to hear them. The June QSO Party ought to be great at the low end of 220. 73.

* * *

ADD THE FOLLOWING TO YOUR COPY OF THE CLUB CONSTITUTION: AMENDMENT TO THE CONSTITUTION, Adopted, August 23, 1962. ARTICLE IV, OFFICERS: SECTION 1 the Officers of this club shall be a President, Vice-President, Corresponding Secretary, Recording Secretary, Treasurer, Four (4) Directors and One (1) Honorary Director. SECTION 2 The retiring President shall, immediately upon retirement from office, become the Honorary Director for a period of not more than one (1) year. A. The Honorary Director will be entitled to all duties and privileges as befits a member of the Board of Directors of this club.

* * *

ARRL BULLETIN NR 24 FROM ARRL HEADQUARTERS NEWINGTON CT MARCH 3, 1981 TO ALL RADIO AMATEURS BT: Volunteers would be permitted to assist FCC in monitoring violations of Amateur and CB rules and in preparing and administering FCC examinations under a bill just introduced into the House by U.S. Representative William E. Dannemeyer, Republican of California. The Bill, known as HR 2203, has been assigned to the Subcommittee on Telecommunications, Consumer Protection and Finance, Committee on Energy and Commerce. For more information on this bill, write to Perry Williams, W1UED at ARRL Headquarters or see Happenings, April QST AR.

T.C.F. RIDES AGAIN

The Trenton Computer Festival (TCF), the original Personal Computer show, will happen again, on April 25-26, 1981.

The sixth annual T.C.F. will be bigger and better than the previous five festivals. It will be two full days, with a huge 5-acre outdoor flea market and indoor commercial exhibitor area for up to 90 booths. There will be 50 speakers, user group sessions, free short courses, demonstrations, computer graphics theater and much more.

Computer conference sessions and forums will be held on: microcomputers in the home, education, medicine, amateur radio, music and the arts. There will be User Group sessions on Saturday and special tutorial sessions for the general public and novice on Sunday.

It is expected that attendance will exceed 9,000, up from 6,000 last year. There will be a Saturday night banquet with a nationally known speaker. There will be free parking for 5,000 cars.

TCF-81 will be held at Trenton State College, just outside of Trenton, N.J., convenient to N.Y. City., Philadelphia and Baltimore.

Admission is \$5 for the two days (\$2 for students). The Saturday night banquet is \$10. Flea Market spots are \$5 per day.

TCF-81 is a non-profit undertaking and is sponsored by: Amateur Computer Group of N.J., Philadelphia Area Computer Society, Trenton State College Computer Society, Institute of Electrical & Electronic Engineers - Princeton Section and the Department of Engineering Technology, Trenton State College. INFO: Dr. Alan Katz, the college, PO Box 940, Trenton, NJ

* * * 08625 609-771 - 2487

ARRL BULLETIN NR 28 FROM ARRL HEADQUARTERS NEWINGTON CT MARCH 13, 1981 TO ALL AMATEURS BT:
The Board of Directors of the American Radio Relay League met in Orlando, Fla on March 11, 12, 1981, just before the ARRL National Convention. Among Board concerns was the effect of continuing high rates of inflation on ARRL financial reserves. Following a Management and Finance Committee Report on the outlook for the next three years, the directors voted to increase the annual dues rate from \$18 to \$25 effective July 1, 1981. However, to ease the impact on older members, licensed amateurs 65 years of age or older may request a special rate of \$20 per yr. Postal surcharges make the rates slightly higher for members in Canada and overseas. Before July 1 members may apply for Life Membership or term membership for up to three years at the present rate. In other matters the Board adopted recommendations of the Ad Hoc Committee on Ethics for extensive changes in director and vice director election procedures. Directors Anderson, Powell, Stevens, and Zak were elected to the Exec. Committee for the coming year. The Phase I report of the Long Range Planning Committee was accepted with the final report scheduled for the Sept. meeting of the Board. ARRL co-founder Clarence Tuska was inducted into the ARRL Hall of Fame. An additional \$10,000 was authorized for a matching fund drive for amateur satellites by the ARRL Foundation. League participation in the International Year of the Disabled Person was urged. In FCC matters the Board has requested that the Commission once again issue new club station licenses. To curb abuses involving third party traffic in the amateur bands, the Board directed that FCC be asked to not grant third party privileges to holders of reciprocal operating permits except in emergencies. ARRL will continue to press for return of full privileges in the band 1.8 to 2.0 Mhz. A plan for developing and submitting an ARRL response to the FCC Plain Language regulation proposal was adopted. The Plans and Programs Committee was asked to reconsider the proposal for limited phone privileges in the 7 Mhz band below 7100 Khz and to consider opening of the segment 3825 to 4000 Khz to General class operation. A complete report on the meeting of the ARRL Board of Directors will appear in the May issue of QST. AR

* * *

JOTTINGS BY LEE and a big
thanks to XL

A homeowner answered an ad for a device to keep down his utility bills. He received a paper weight...

When a habit begins to cost money - it's called a hobby....

Chewing gum proves you can have motion without progress....

I know a fellow who is so out of shape - that he gets winded walking his fingers through the yellow pages....

TID BITS CONTINUED

Jack Power our Sunwatcher, reports the smoothed number for June, 1980 is 155; for July 1980 is 153.2; for August 1980 is 150.5. These are RZ numbers. The February 1981 monthly SS No. is 143.5. From January 1981 the abbreviation for the number will be RI - for International sunspot.

Paul Drexler, WB3JYO (A student member) is Chairman of the Council Rock ARC of Council Rock High School.

* * *

FROM 73 MAGAZINE FOR RADIO AMATEURS

March 13, 1981

Mr. Harry B. Stein, W3CL
2087 Parkdale Ave.
Glenside, Pa. 19038

Dear Mr. Stein:

We are pleased to see (Cheese Bits, March, 1981) that home brewing is alive and well at Mt. Airy. Please convey our congratulations (whatever that's worth) to your club members for their efforts and to your newsletter staff for its coverage.

Time constraints preclude our writing to each entrant but we would like to invite each of them who feels that his home brew gear has something to offer other amateurs to write it up and submit it to 73.

We are particularly interested in home brew systems for the upcoming Phase III launch.

If anyone is interested in this undertaking, please contact us.

Again, congratulations on your club's successes.

Sincerely, Gene Smarte, WB6TOV/1, News Editor

* * *

TO: CONTEST BAND CAPTAINS & ASSISTANTS, INTERESTED PARTIES, AND PERENNIAL CONTEST BUFFS.
FROM: BILL OLSON, JUNE 1981 CONTEST CHAIRMAN
SUBJECT: JUNE CONTEST 1981

Gentlemen:

The successful Contest "kick-off" meeting at the QTH of Steve, WA3WAS, on Feb. 25th was very encouraging and has prompted me to write this first of many contest program reports, the purpose of which will be to keep everyone informed and in so doing generate some enthusiasm that's been missing in previous years.

Those present Feb. 25 were WA3WAS, WA3JUF, N3MW, WA3AXV, WB3JYO, WB3IND, W3KKN, WA3YUE, WA3NFV, W3HQT. Members who planned to attend but couldn't be there were W3IIT, N3AHI; did I miss anyone? We didn't have time to discuss everything that needed discussing and that is encouraging. Band captains are as follows: 6M, WA3AXV, N3AHI assistant. 2M WA3DPU, K2EWW, assistant. 220 WA3WAS, N3MW, assistant. 432 W3HQT, WB3JYO assistant. 1296 WA3JUF, WA3AXV, assistant. 2304 Group effort including WA3AXV, W3HQT, W3HMU, K3BPP, W3IIT. 3.3gc possible - see-below. 5.6gc possible - see-below. 10gc WA3NUF(unofficially), W3HQT, W3IIT assistants. Telephone and power chairman, WA3YUE. Even though this is a "high power" crew, we still need more help - operators, loggers, "setter uppers" and "taker downers". Volunteers for the microwave expeditions etc. We need trucks, tables, tents, chairs, guywire, guy stakes, tools, spares, etc. etc. The more help we get, the easier it will be for everyone and the better we will do.

73, W3HQT

SWAP SHOP

FOR SALE: For the tinkerer: 4 ft. rack on wheels, w/ a 19" panel containing about 60 small lamp holders ea. with two 24V lamps; 24V pwr sply. A rack w/all types of 24V relays, spare bulbs, switches that mount in place of lamp holders. Entire package \$25. WACO Astronomers Telescope 30x40 MM mounted on a short tripod \$12. Many small speakers (new); turntables, stereo phonos, 8 track players, Heath 4 channel decoder. Still have a few homebrew pwr splys. As is rotors and control boxes - pair \$5. TV games; 1/4" tape for recording on 7" reels 50¢ each. Club mimeo motorized machine with supplies \$20. White pine shelving w/hardwood edge 39"x12" deep x 5/8" thk - \$1.50 ea.

CONTACT: Doc, K3GAS

Phone: 215-635-1078 after 1 P.M.

FOR SALE: Swan 250 with 117XC pwr sply/spkr \$205. Will pay for shipping.

CONTACT: Tony Slapkowski, K4AWS
Old Rt. 301, Box 15
Sumterville, Fla. 33585
Phone: 904-793-5202

FOR SALE: HP 608A signal generator - 10 Mhz to 500 Mhz. Silver plated cavity. Needs minor repair \$75.

CONTACT: Bob Morein
Phone: 215-646-8266 (evenings)

FOR SALE: Icom Ic22A-22 channel 1/10 watt. 7 pairs of popular area xtals installed. Mobile mount and accessories, manual and shipping carton. \$135.

CONTACT: N3AHI, Jim Holt
Phone: 215-967-3902

FOR SALE: ARC-5 mod. for 2 mtr. VFO and pwr supply, ARC-5 mod. for 6 mtr VFO (25 Mhz out) stable for SSB, w/pwr sply. Johnson 6&2 VFO w/pwr supply.

CONTACT: W3CL, Harry Stein
Phone: 215-887-5052

WANTED: Replacement DB Level Indicator Meter for an HT-32-A SSB Transmitter.

CONTACT: C.J. Sherman, W3CXE
1216 Greiner Street
Lebanon, Pa. 17042

FOR SALE OR SWAP: Radio console - Bud Gray Hammertone finish, three bay wrap around console. Standard rack mount inclined panel above writing surface. Vertical panels below writing surface. 51 1/4" high, 6' wide at front.

WANTED: Several sections of Rohn No. 6 tower.

CONTACT: Paul Drexler, WB3JYO
Phone: 215-598-3934

FOR SALE: Clegg Venus/spkr, pwr sply, Apollo linear amp. 650 watts input. Clegg SS booster type A, mike; 220 colinear ant; 3-2 mtr ant; 10-15-20 Jr. tri-bander; 2 - old 220 AM rcvrs; 1-220 AM complete xmtr; 1 old Navy rcvr. must buy whole pkg. or my XYL will throw me out!

CONTACT: K3KTY, John Tate
Phone: 215-OR 3-8840

FOR SALE: Record-breaking VHF contest station: N6NB's portable VHF station-used to set national scoring records in both the June and Sept. VHF contests is for sale. The pkg. includes a Ford E300 (1-ton) Supervan in gd. condition w/ a quiet built-in 5KW commercial grade Onan generator (the generator costs over \$2,000 by itself), complete high-pwr. station for all bands from 3.5 to 432 Mhz (includes 2 Drake transceivers, all transverters, 6 separate kilowatt amps, 3 KW pwr. sup. operating console, and much more), plus a crankup tower (mounted on the van), CDR rotor, all antennas, coax cables, tools, spare parts-the works. Van also has double bed, sink, etc. for camping. Here's a complete mountain-topper's dream station on wheels, all ready to go. The pkg. price: \$5450 delivered within 500 miles of N.Y. City. Available 7/81. Call or write Wayne Overbeck, N6NH 5818 Woodlake Av., Woodland Hills, CA. 91367. (213)347-3456 or (714)636-0363.

* * *

TID BITS

Thanks to Horace, W3AJF for installation of the retaining spring in the counter for our 1250 off-set press.

Had a nice telcon from N2CG, George Hall. He was the one who supplied the Bergen Amateur Radio Assoc. hamfest flyers handed out at our last meeting.

Bud, K3KDF, sadly advised us that an old friend of the Pack-Rats, K3KOH, passed away last September.

Another silent key on Feb. 15th, Horace Lentz, K3BRR.

N3EG/6 Earl Garber moved to Burbank, Calif. on March 26, 1981. He will be working for Motorola out there. Expects to be on the VHF as well as HF. Looking for a sked with WA3AXV.

(TID BITS CONTINUED ON PAGE 6)

ARRL NATIONAL CONVENTION - ORLANDO

March 13, 14, 15, 1981

by Dave Zimmerman - W3ZD

The annual event known as the Orlando Hamcation at the Sheritan Twin Towers Hotel was expanded this year into a full-blown ARRL National Convention that will be hard to beat.

Al Canning, WB4HAK, the chairman of this event for many years has done an outstanding job. Practically all the bugs and hassels which were experienced in past years have been eliminated, resulting in a full program of forums, talks, ladies events, manufacturers exhibits, topped by a flea market second to none. More than 10,000 people were in attendance, and except for the crush of bodies and the extreme shortage of parking spaces, things were very smooth.

Many league notables including the president, Harry Dannals, W2HD, and our ex-director ConnieMac, and present director, Jesse Bieberman were seen. Many old friends now retired to the warm land were met. The weather was balmy and the whole event was most enjoyable.

Next year the Hamcation will be held the same weekend, but at a new and larger location with plenty of parking and some lower price motels. In spite of the class of a Sheritan, it still feels like a rip job!

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NORTH CAROLINA STATE CONVENTION

Because the Charlotte, NC event was held on the following weekend, it was possible to take in this convention on the way back from Florida. We sandwiched in a visit to Disney World during the week. This is a very large convention in the South and usually attended by about 8,000 hams.

This year was no exception. A very nice program of technical subjects was presented over two days, March 21 and 22. The area for the convention and flea market in the civic center of downtown Charlotte was superb. Parking space was abundant. The hotel headquarters, The Raddison Plaza, was as luxurious as any I have seen. Prices also were the same. One complaint might be the typical southern slowness in serving meals in the hotel.

The organization of moving the flea market dealers into the facility could stand a bit of sprucing up. Individual club members with push-carts assisted the ones with merchandice into the area. Drive-in was not permitted, for hams at least, but if you were a minister or a musician it was allowed. While hams were pushing their material out into the rain and snow, the next group arriving for the next weeks events were driving in to unload their wares.

Not too many league figures were in evidence at this event, but many friends from the southern tier of states were there. Quite a few yankees made it too. The clubs that ran the event worked very hard to make their convention a success. Their members were everywhere; seems that there were a hundred or so committee members, and many put in some long days. All in all, a nice week in the Sun and just may do it again next year.

* * *

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609-783-9478

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W3CL, HARRY B. STEIN

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7:30 PM - 50.125 MHZ	W3CL
8:00 PM - 144.150 MHZ	W2EIF
8:30 PM - 222.98/224.58	K3GAS
9:00 PM - 432.1 MHZ	K3IUU
9:30 PM - 1296.025 MHZ	W3CXU

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VICE-PRES: WA3JUF, DAVE MASCARO
COR. SECY: WA3WAS, STEVE SIMON
REC. SECY: K3IGX, DICK BOYLE
TREASURER: K3GAS, DOC CUTLER
DIRECTORS:

W3HQT, BILL OLSON (Ex-Of)
WA2DPU, BILL SMITH (2yrs)
K3NHX, JOE GARDOCKI (2yrs)
N3AHI, JIM HOLT (1yr)
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