

ST. PETERSBURG AMATEUR RADIO CLUB, INC.

MAY 1978

CHECK THAT DATE

SUNDAY-MAY-7TH--1978.

FOR THE

SPARC



Prizes

!

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AMATEUR RADIO
CLUB



TIME: 8:30 AM till 3:00PM

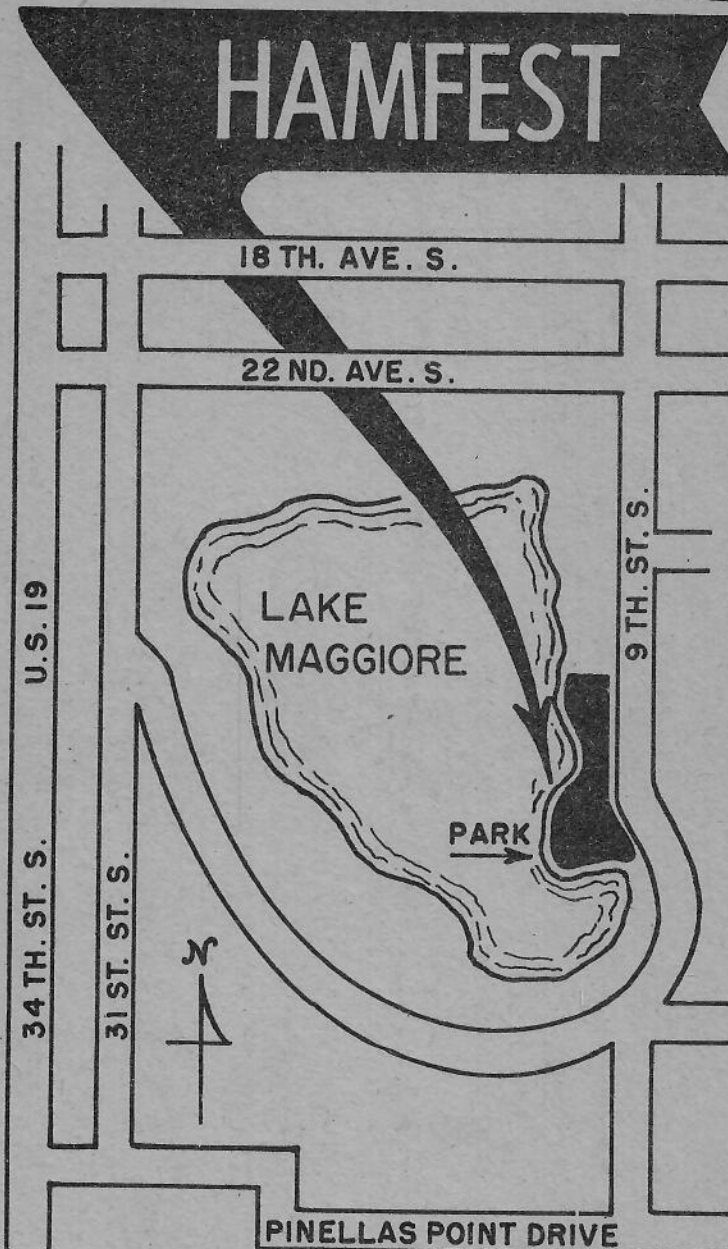
RAIN OR SHINE!!

LAKE MAGGIORE PARK
(EAST SIDE)

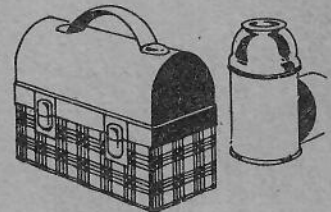
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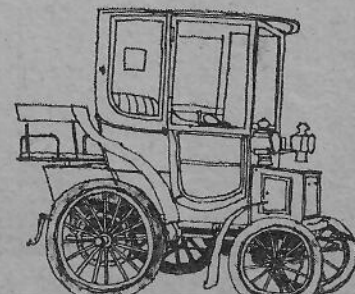
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S P A R C - G A P

OUR NEXT MEETING WILL BE ON MAY 5, 1978 AT 8:00 P.M. AT THE RED CROSS
HEADQUARTERS

818 - 4th Street No., St. Petersburg, FL

Vic and Linda Astolfi WB4FYS and WB4FYU will be with us to present a program with their computer. It promises to be an exciting and informative evening. Ya'll come!!!

+++++

The meeting of April 7, 1978 was called to order by Rex Cottrell W4GPL. Fifty members and guests were welcomed.

The minutes of the last meeting were read. A correction to those minutes were made. The sentence about Bob Smith WB4OIG should read "Recognition was given to Bob Smith WB4OIG for his excellent work in the mailing of the SPARC GAP paper and for his efforts to obtain a lower postage rate." The minutes were approved as ammended.

The Treasurer's Report was given by Frank Ryll W4VIP. Frank also reported that 50 dues reminder cards had been mailed and 10 were returned with dues paid.

Woody Huddleston K4SCL gave the Repeater Team report. He said that the maintenance program was going along nicely and well within the budget. The 80 watt transmitter strip had been swapped for another 60 watt strip that matches the one we are presently using. We also have a spare receiver, and a spare receiver power supply. He is looking for a spare transmitter power supply. The repeater is in good shape.

Rex Cottrell W4GPL gave the Mutt Derby report. He said that it was a complete success. He thanked the amateurs that assisted, and told of his conversation with the Mayor of St. Petersburg.

Betty Bellows WA4TJG gave the Night Parade report. She said that 41 "hams" took part in the parade, and she thanked everyone for the excellent cooperation and efficient handling of emergency traffic.

Hank Huth WA4WKO gave the Publicity report. He said that he has placed the Hamfest ad in FLORIDA SKIP. Plans are being finalized for the May 7th hamfest at Lake Maggiore.

Woody Huddleston K4SCL suggested that the Club invite Mr. Crosby from the Ruskin Weather Bureau to be a speaker at one of the Club meetings. Mr. Crosby will instruct us on severe weather spotting and what we can do to assist the Weather Bureau. Jack Gordon W4MIM volunteered to notify the control station of WR4ALM of any severe weather. He has a receiver that monitors the Weather Bureau at Ruskin.

Rex Cottrell W4GPL reported on the upcoming hospital exercise that will take place on April 18, 1978 between 2:00 p.m. and 3:30 p.m. The hospitals involved will be St. Petersburg Osteopathic, Apollo Medical Center, and Hubert Rutland in conjunction with the Red Cross. The Club repeater will be the only frequency used.

Betty Bellows WA4TJG told about a course at the St. Pete Junior College on publicity. The cost is \$5.00 per person and will be valuable to our Club and to Amateur Radio in general. K4SCL moved that the Club send 2 members to take the course. The motion was seconded and passed.

Hank Briese WA4RLV made a motion to invite Corrine Freeman, Mayor of St. Petersburg to a Club meeting and to make her an Honorary Member of the St. Petersburg Amateur Club. The motion received a second and it was passed. Dave Stocky K4KE suggested that we show the Mayor a film about amateur radio.

Dave Stocky K4KE reported that a club member, Stanley Ames K4HBD, is liquidating his radio equipment. It will be for sale the week of April 10th at his home.

The meeting was recessed at 8:30 p.m. for coffee and doughnuts, and was called back to order at 9:00 p.m.

Betty Bellows WA4TJG gave last minute instructions for the Day Parade to be held the following day April 8th., and for the Hurricane Classic.

Meeting adjourned at 9:16 p.m.

de WA4WOU

S P A R C G A P

THE PRES SEZ:

By now we are almost finished with the Public Services that we have each spring. The great part about it has been the smoothness that we have been able to develop in this type of work. Even the Orange Blossom Classic (and that awful weather that those working it had to contend with) was a success.

Please don't think that the willingness of you folks to give of your time and radio equipment isn't greatly appreciated, boy-how-it-is! Unless one becomes involved in such efforts, you just don't appreciate how much time and energy is required by so many people all working together.

It certainly is noticeable how many of our winter friends are drifting back up North. Poor folks, just don't appreciate how much the good life and the beaches are all summer. Also, it keeps you younger and full of interest in that way.

In the near future, the Red Cross is going to begin new construction of the back part of the second floor of their building and W4GAC will then move to a new second floor room. This will require the relocation of several of our antennae and the construction of new operating positions. More of this later.

As one of the repeater monitoring stations, I want to take this opportunity to thank all the users of the machine for the fine discipline and the proper repeater procedures used.

See you all at the next Club meeting on May 5, 1978 at the Red Cross Building. The meeting starts at 8:00 p.m.

de W4GPL

OFFICIAL BULLETIN NR 697 FROM ARRL HEADQUARTERS
NEWINGTON CT MARCH 9 1978 TO ALL RADIO AMATEURS BT

This is a modification of Official Bulletin 696 regarding United States and Canadian amateurs seeking to take advantage of reciprocal operating agreements while traveling in the other's country. Travelers should request specific application forms from the ARRL through the Membership Services Department, ARRL Headquarters, as soon as possible. Completed forms should be forwarded by the traveler to the DOC or FCC as applicable a minimum of 45 days prior to departure. AR

OFFICIAL BULLETIN NR 696 FROM ARRL HEADQUARTERS
NEWINGTON CT MARCH 2 1978 TO ALL RADIO AMATEURS BT

With the coming of the travel season United States and Canadian amateurs will be taking advantage of reciprocal operating agreements. For amateurs who are planning to travel in Canada from the United States, and vice versa, the current procedure to be followed is to request specific application forms from ARRL. Since a minimum of 45 days is required to process these forms, after the traveler has returned them to ARRL, you are urged to request reciprocal operating permission forms through the International Services Officer, ARRL Headquarters, as soon as possible. AR

HAMFEST SUNDAY MAY 7th

SPARC-GAP

SPARC - GAP ADS.

FULL PAGE	\$ 60.00	PER YEAR
1/2 PAGE	30.00	" "
1/4 PAGE	15.00	" "
1/8 PAGE	7.50	" "

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HOURS

MONDAY-SATURDAY

HOURS: 9:00 AM to 5:00 PM

NO ONE'S PERFECT

The other day on an inner page of a Swiss newspaper, there was an article about a bridge that fell into the Rhone River. Obviously, if a big bridge falls down, someone made a mistake. Almost immediately the architect announced over the TV that it was not his fault. The contractor told a reporter, "I'm not responsible." When interviewed, the engineer and crew let it be known that they were not to blame.

Finally, all fingers began to point to the manufacturer of the metal used in the spans of the bridge. However, the manufacturer said that he could not in any way be held responsible, because apparently there was an "inherent defect" in the material when it was brought to his factory.

As a friend who also read the article said, "This is a situation which could go all the way back to Adam!"

And doesn't it sound familiar? Is it not the story of your life and mine more often than we care to admit, busily running around either excusing ourselves or accusing others, and sometimes doing both at the same time?

According to God's Word, the Bible, we all have an inherent defect like the metal in that Swiss bridge. The Bible calls it sin and tells us that we are sinners by nature. Because of sin we are alienated from God, confused in our thinking and unable to please God or ourselves.

People don't like to talk about sin, but sin is everywhere. It affects each of us. We are all out of step with God's plan and His laws. NO ONE'S PERFECT. Sometimes it's hard to admit that we're not "perfect"; it's even harder to admit that we're not "good enough."

But God knew all this. And He still loved us! In fact He loved us so much that He sent His only Son, Jesus Christ, to die for us. On the Cross of Calvary Jesus took all our sin and imperfection upon Himself. He paid the penalty for our sin, completing the work of our salvation.

Yes, no one's perfect. But in Jesus Christ the problem of our imperfection is remedied! For through faith in Christ we are counted righteous before God. "If thou shalt confess with thy mouth the Lord Jesus, and shalt believe in thine heart that God hath raised Him from the dead, thou shalt be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation."

Today you can begin a new life, free from guilt and alive in the power of God.

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SPARC GAP

-- IF WE MUST TELL IT --

Was born in Logansport, Indiana on July 4, 1909 and had a fine time on a farm there until we moved to Florida in 1920. Living in Tampa, was graduated from Hillsboro High School after four years of football and enough schooling for a diploma. From there back to Indiana and Purdue for four more years of football and a degree in Electrical Engineering. This was in 1930 and jobs weren't around, so became an aviation cadet in the U.S. Army Air Force. Became an Experimental Test and Fighter pilot and was fortunate enough to be one of the first Test Pilots to get the experimental X-15 rocket above 90,000 feet, and that is a way out for me too. Spent around 17,000 hours as a fighter pilot and during WW2 managed to convince several of the opposition that a dog fight with a P-38 or a P-51 American fighter had no future for them. With a full Col's wings and a few pretty little ribbons can't see as any other finery would produce anything. Therefore, after four more years in the Pentagon fighting the military mind and convinced that a halo wouldn't fit anyhow, the USAF was left behind with my resignation on its records.

In 1934 chased Judge Willis' daughter till she caught me and for four years after that was known as "Judge Willis' daughter Thelma's husband." Took those natives that long to decide a Yankee from Tampa might not be a total loss after all, then all was well.

Went to work at the Inglis Power Station of Fla. Power and then transferred to the Test Crew of Duquesne Light Co. of Pittsburgh and was on the Test Crew for their first atomic energy plant at Beaver Falls, Pa.

We returned to St. Petersburg in 1959 where we ran a communications 2-way and TV business and then retirement three years ago. We have two very fine, now married, sons and one sweet granddaughter. The #1 boy is an Engineering Draftsman for ECI and the #2 boy is at Gainesville working on his Masters Degree in Psychology. We feel our family needs one close by; you never know when a Headshrinker can save the day!!

Now we are very fortunate to have a host of very good friends, HAMS from SPARC and other units as well as on the other frequencies.

After 68 years, 43 of them together, Thelma and I think it is a mighty fine world and St. Petersburg a fine place to be and SPARC's a good place to work Ham radio.

C.E."Rex"Cottrell

SPARC-GAP



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LAKE MAGGIORE PICNIC AREA
MAY 7, 1978

9:00 A.M. - 3:00 P.M.

DONATIONS: \$1.00 PER ADULT
10¢ PER CHILD
25¢ LADIES PRIZE TICKETS

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CONGRATULATIONS TO
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MUTT DERBY CALLED SUCCESS

Once again the annual Mutt Derby is history and, thanks to the St. Petersburg Jaycees and SPARC, it was an unqualified success. I want to thank all the volunteers and stand-bys, without whom it would not have been possible.

Recognition of our efforts as a group were forthcoming from "Her Honor", The Mayor of St. Petersburg and the St. Pete Jaycees. A special vote of thanks goes to our club president, Rex Cottrell W4GPL and Jaycee president, Gordon Price WA4NCY, for their many efforts in the planning and organization of this event.

The communications were excellent with wonderful cooperation by all concerned. Thanks also to all who gave us a clear frequency on both 146.49 and 146.94.

Besides those already mentioned, I want to thank the following amateurs for giving up their Sunday to participate in this event: K5IHH/4, W4IRA, K4NAN, N4NL, W4EGM, W4CF, W4OJH, K4KXC, WD4KEZ, K4WYN, WA4UBT. Also on stand-by if needed were WA4RQQ, WA4TJG, K4ISS and WA4WOU. Faith WA4WOU, in the stands as a spectator with her handheld, was so useful that it was decided next year to use a radio operator in the stands.

It was a fun day and we are looking forward to next year. Thanks again to everyone.

de
Leo K8PXM/4

THE AMERICAN RADIO RELAY LEAGUE, INC.

Administrative Headquarters NEWINGTON, CONNECTICUT, U.S.A. 06111

OFFICIAL BULLETIN NR 699 FROM ARRL HEADQUARTERS
NEWINGTON CT MARCH 23 1978 TO ALL RADIO AMATEURS BT

The FCC has released its Report and Order in Dockets 21116 and 21117. Docket 21116 bans the commercial manufacture of amplifiers capable of operation between 24 and 35 MHz. Docket 21117 requires all commercially manufactured amplifiers operating below 144 MHz to be type accepted before marketing. There are provisions in the Report and Order to allow individual amateurs to construct amplifiers in limited quantities for their own use and for manufacturers of amplifiers intended to be used by licensed amateurs to obtain waivers of the ban in order to clear inventories. The effective date of FCC action is April 28, 1978. Petitions for Reconsideration must be filed no later than April 19, 1978. Members may request copies of the Report and Order from ARRL, Newington, CT 06111 for a SASE with 24 cents postage attached thereto. Details in May 1978 QST. AR

OFFICIAL BULLETIN NR 701 FROM ARRL HEADQUARTERS
NEWINGTON CT MARCH 30, 1978 TO ALL RADIO AMATEURS BT
FCC placed Phase 1 of a new callsign assignment plan into effect on March 24. Involved are all new amateurs, all amateurs who upgrade henceforth, and all Extras. Requests for unspecified calls within each of the groups may be made. Group A, for Extras only, includes 1X2, 2X1 and 2X2 AA to AL prefixes. Group B, for Advanced only includes 2X2 callsigns other than those in Group A. Group C is 1X3s, initially with N prefix, for General and Technicians. Group D is 2X3 calls for Novices. Repeater changes and Technician privileges above 50 MHz, as in Bulletin NR 700, will go into effect on May 15. On the same date, Novice changes from two years nonrenewable to five year renewable. Those Novices whose license expires prior to May 15 must be retested. Full details in

HAMFEST
SUNDAY MAY 7th

SPARC GAP.

THE PICTURES BELOW REPRESENT A SMALL SEGMENT OF THOSE WHO WORKED ON THE REPEATER TEAMS AND THE RED CROSS FOR THE FESTIVAL OF STATES PARADE. AMATEUR RADIO CAN BE PROUD OF THIS ACHIEVEMENT. THE EXPERTISE IN WHICH THIS WAS HANDLED IS WORTHY OF PRAISE AND COMMENDATION.



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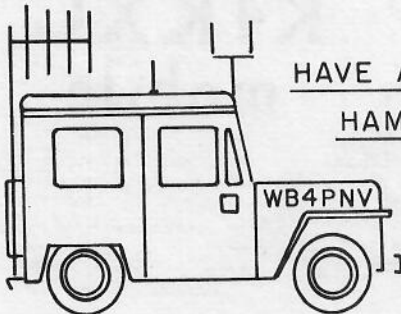
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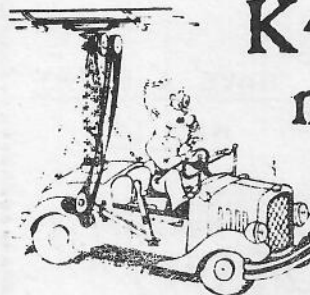
AREA-913

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*If we meet and you forget
me, you have lost nothing;
but if you meet JESUS
CHRIST and forget Him
you have lost everything.*



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Continued **FEDERAL COMMUNICATIONS COMMISSION**
FIELD OPERATIONS BUREAU

- 3 -

of each stage, as well as grounded absorption trap circuits tuned to the interfering harmonic and closely coupled to the hot end of each plate tank circuit of all transmitter stages. These trap circuits have been found to be particularly effective in the reduction of harmonic radiation.

- (e) Make sure there is sufficient capacity in the final stage plate tank circuit to provide a high circuit "Q".
- (f) Operate the final stage of your transmitter with the lowest grid bias consistent with reasonable efficiency, and do not overdrive it.
- (g) Install stubs at output of the transmitter cut to appropriate length for troublesome harmonics.
- (h) Filter and shield all exposed power leads between the transmitter and the transmitter power supply and between the power supply and the a. c. line.
- (i) Avoid using a directly excited voltage fed antenna.
- (j) Install a current fed single band antenna that will not readily radiate harmonics of the operating frequency.
- (k) If necessary, replace your antenna feeder with a coaxial cable to reduce coupling between the antenna feeder and conductors in the vicinity, particularly the power wires inside the building in which the transmitter is located. (Other wires in addition to the transmitting antenna can radiate, especially nearby wires or conductors of critical length. This can in effect cause a rise in radiation of harmonics.)
- (l) Reduce standing waves to a minimum on your antenna feeder line.
- (m) Try reorienting your antenna with respect to the television receiver to see if a null in your radiated pattern will reduce or eliminate the interference, or try locating your antenna further from the TV antenna.

Some of the more usual steps which may be taken at the receiver, if the transmitter is found not to be at fault, are listed below:

- (a) Installation of a high-pass filter as described in the second paragraph on Page 2. This is by far the most widely used method for improving the ability of television receivers to reject signals which are on frequencies below the TV band.
- (b) A simple expedient which may be entirely effective, particularly for the higher amateur frequencies, is a quarter wave open-ended stub or a half wave shorted stub cut for the frequency of the amateur transmitter and connected across the antenna terminals of the television receiver. For a quarter wave open-ended stub the following formula applies:

VHF SPACE NET CONTEST

From 6 PM Saturday, July 15th to 9 PM Sunday, July 16th, local time
 This event Commemorates the 9th Anniversary of Apollo II, Man's First
 Landing & Walk on the Moon.
 Activity will be on 50, 144, 220 Mhz etc. in all modes, EXCEPT REPEATERS.

EXCHANGES..SIGNAL REPORT & ZIP CODE or P.O. LOCATIONS, out of country.

POINTS.....EACH CONTACT IS WORTH 2 POINTS..The same station may be
 reworked in different mode for added 2 POINTS..& reworked again on
 different bands for additional 2 POINTS.

MULTIPLIER..EACH DIFFERENT ZIP CODE WORKED IS 1 (one) MULTIPLIER, all
 out of the country contacts will use the PO Location as a ZIP CODE.

SCORING....TOTAL ALL CONTACTS MADE & MULTIPLY BY THE TOTAL OF
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AWARDS.....HIGHEST SCORE IN EACH OF THE CATEGORIES, RECEIVES A TROPHY
 PLAQUE, ALL SECOND & THIRDOHIGH SCORES WILL RECEIVE SPACE NET
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<u>CATEGORIES</u>	CLASS 1, 100 to 500 watts
	CLASS 2, 25 to 100 watts
	CLASS 3, 5 to 25 watts
	CLASS 4, 1 to 5 watts
	CLASS 5, C.W. only, with any power
	CLASS 6, XYL only, with any power
	CLASS 7, CLUB PARTICIPATION.

MAILING OF LOGS WITH DEADLINE OF AUGUST 10, 1978

VHF SPACE CENTER, K4AWS
 BOX 15, SUMTERVILLE, FLA. 33585

OFFICIAL BULLETIN NR 700 FROM ARRL HEADQUARTERS
 NEWINGTON CT MARCH 23 1978 TO ALL RADIO AMATEURS BT

The FCC took action on March 22, 1978 to allow amateurs to
 operate repeater, control and auxiliary link stations using
 their primary licenses. This effectively makes permanent
 the rule waiver presently in effect. In addition, the FCC
 opened up new subbands for repeater use, but reserved specific
 segments for other than repeater operation. In addition to the
 present repeater subbands the following frequencies will be available for
 repeater operation: 144.5 to 145.5 MHz, 220 MHz and up with the exception
 of 220.0 to 220.5 MHz, 431 to 433 MHz and 435 to 438 MHz. We emphasize
 that these new repeater frequencies will not be in effect until the
 effective date of FCC action, which will be announced over WIAW. In
 addition, the FCC took action to authorize Technician Class amateurs
 frequency privileges 50 MHz and up. The effective date of this action
 is also unknown, but will likely be at least 5 to 6 weeks in the future.
 Details will appear in May 1978 QST. AR

OFFICIAL BULLETIN NR 698 FROM ARRL HEADQUARTERS
 NEWINGTON CT MARCH 16 1978 TO ALL RADIO AMATEURS BT

Next month the annual ARRL Open CD Party, open to all
 ARRL members as well as those members holding official
 Communications Department positions, will be held.
 The cw weekend is set for April 7 through 9 and is
 followed by the phone weekend 14 through 16 April
 1978. Full details can be found on page 83, March QST.
 Log forms are available, for a self addressed stamped
 envelope, from ARRL, 225 Main Street, Newington
 CT 06111. AR

OFFICIAL BULLETIN NR 702 FROM ARRL HEADQUARTERS
 NEWINGTON CT APRIL 6, 1978 TO ALL RADIO AMATEURS BT

The 29th annual Armed Forces Day Communications Tests will take
 place on Saturday, May 20. Military stations will make crossband
 military to amateur contacts from 1300Z May 20 through 0245Z May
 21. The Secretary of Defense receiving competition will begin
 at 0300Z May 21, on cw at 25 wpm, followed by 60 wpm RTTY at 0335Z.
 Both tests will be conducted by WAR on 4030, 6997.5 and 14405 kHz
 and by AIR on 7315 and 13997.5 kHz. NPG, however, will send cw on
 4005, 6989 and 14375 kHz, and RTTY on 4010, 7347.5 and 13922.5 kHz.
 Copy exactly as received should be sent to the address transmitted
 by the station during the on the air instructions preceding the
 actual proficiency run. The schedule for the crossband military to
 amateur contacts will have military stations transmitting as
 follows, specifying listening frequencies in the amateur bands.
 NPG 14356 SSTV, NMH 7301 cw 14470 ssb 20954 cw. WAR 4001.5 cw
 4020 lsb, 4030 RTTY 6997.5 cw 14405 cw 20994 usb. NAV 7370 lsb
 14443 SSTV. NPG 4001.5 lsb 4005 cw 4010 cw 6989 cw 7347.5 RTTY
 7365 cw 13922.5 RTTY 14375 cw 14389 usb 20983 cw 20998.5 usb 49.995
 143.995 and 220.0 am usb and cw 148.4 and 148.95 fm and RTTY. AIR
 7305 lsb 7315 cw and 13997.5 cw. Amateurs are reminded to use
 caution to insure that their transmissions remain inside the amateur
 bands, and the appropriate subbands, at all times. AR

HAMFEST SUNDAY MAY 7th

★ PRINTING

★ BUSINESS CARDS

★ FLYERS

★ BUSINESS FORMS

★ STATIONERY

★ ENVELOPES

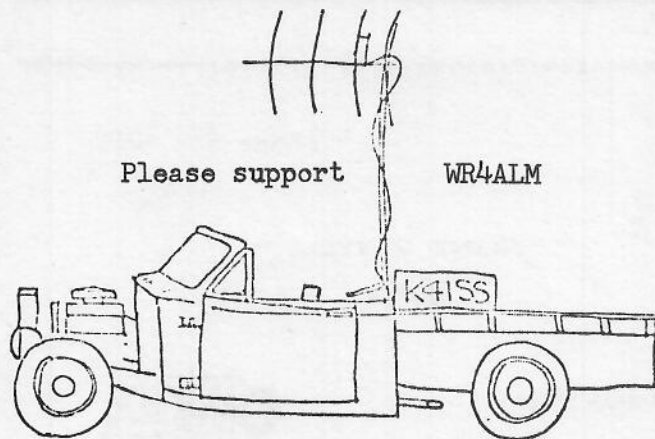
★ LETTERHEADS



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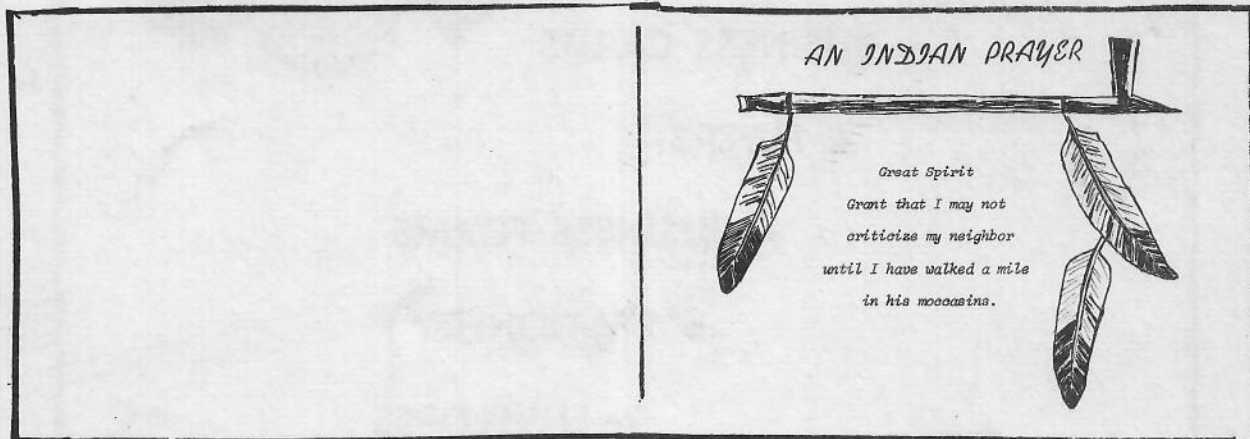
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