

Edith Rasner

HOLMESBURG AMATEUR RADIO CLUB, INC.

(a non-profit corporation)

P.O. BOX 6253 ~ PHILADELPHIA, PA. 19136



NEWSLETTER

OCTOBER
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1983

THE PREZ SEZ

October 24, 1983

Dear Member:

It's dues time again! To be eligible to vote in the upcoming election and to receive the new auto patch access code, please send your dues in for the coming year to the P.O.Box 6253 before January 1, 1984. Thank you.

Dues: \$16.00

73
Jay Kuperman WA3IFY
Membership

Also, it is Election time. We have received some nominees from the floor at the last meeting and are in need of more before election time in December. The offices open are President, Vice-President, Secretary and Treasurer. Please ask the members to write or call in their nominees as soon as possible. They should not do this over the air. They can call in the names to me at 289-4531 or Richie WA3AOP at 969-0246 or any other current Officer. Please stress the fact that these names must be in before the December meeting.

We are also in the midst of getting door prizes for the HARC banquet at the Travelodge in New Jersey, set for January 21, 1984 at 6 p.m. Tickets will cost \$32.00 per couple and there will be three entrees, (meat, fish, chicken) to choose from. If any one wishes to donate door prizes for men or women, please contact Jay (WA3IFY) at 289-4531. We really do appreciate any donations which the members can give us.

Please welcome the following new members.

Raymond Godfrey KA3KXX
Silvana Marasco KA2SBV
both worked very hard at getting their amateur license.
Donald Forte KA3KNC
is a tool maker, coaches a little league team and is an important person in a voluntary fire departement.

NEWSLETTER

CHAVERIM - BRUNCH AND INSTALLATION OF OFFICERS

THE CHAVERIM OF DELAWARE VALLEY, an organization formed to promote a closer relationship among Jewish Amateur Radio Operators and their FRIENDS, have scheduled their annual brunch and installation of officers on Sunday, January 15, 1984, 10:00 AM, at CARA'S ON THE PARKWAY (PARK TOWN PLACE), 2200 Benjamin Franklin Parkway, Philadelphia. The menu consists of a wide range of delicious traditional foods. The cost to members of THE CHAVERIM OF DELAWARE VALLEY is \$10.00 per person; non members, \$12.00. Entertainment befitting the occasion will be provided.

CHAVERIM is the Hebrew word for FRIENDS. The Chaverim movement was founded in 1973 by silent key, Hal Crystal, K2BYB, who lived in Fords, N.J. until he met his tragic death in a plane crash. There are now many flourishing CHAVERIM groups scattered throughout the United States, Europe, the Mid East, Canada, and Africa. THE CHAVERIM OF DELAWARE VALLEY has over 150 members and will be celebrating their 5th year in existence at this brunch. Besides encouraging friendship through amateur radio, the Chaverim provide public services, conduct amateur radio classes, carry phone patch traffic on various nets, participate in parades, festivals, etc.

Amateurs desiring to become affiliated with the Chaverim; who wish to attend the brunch; who want more information about the organization; or who may want assistance in organizing new groups elsewhere, should contact Bill - W3QXT - 676-6769; Jay - WA3IFY 215-289-4531; or Sonny - WB2DXB - 609-853-7889.

For publication:

Friday, October 21, 1983 at about 6:00 p.m., Merle, N3CDW broke into a QSO with a double break indicating an emergency. She witnessed an automobile accident and was attempting to make an autopatch to the local police. Bill, WB2IOY asked everyone on the repeater to standby so that Merle could make her call. In a very calm controlled voice she made the report. Thanks to N3CDW and WB2IOY the police were contacted immediately.

Jay, WA3IFY

NUTS, BOLTS, AND OTHER LOOSE THINGS

Hi troops. Time for more, "Why" stuff.

Why do part stores close at 2PM on Saturday when you always need parts at 3PM?

Why does 82.76% of the equipment you buy at a hamfest fail to work when you get it home?

Why does this same equipment seem to be worth only half what you paid for it when you try selling it at the next hamfest?

Why aren't the parts you didn't need, at the last hamfest, now not available, when you need them, at the next hamfest? (read it again-it comes out right)

Why can't you find the book on military surplus gear and then someone gives you a copy- after you junked the piece?

Why also, do you then save the book forever, knowing you'll never find that surplus piece again?

Why do you study the schematic of your rig when you know you can't fix it?

Why does the VFO you just built just sit there while an amplifier stage takes off like a 707?

Why doesn't anyone like purple-glowing 6146's?

Why does the military put crazy numbers on tubes that are really standard types in disguise?

Why too, does the military lacquer or shellac all their equipment so you can't take meter readings without scraping all day for a bare spot?

Why did you bother reading this in the first place?

Because you're nice people, that's why.

73

Dick WB3EVI

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NUTS, BOLTS AND OTHER LOOSE THINGS

Dick WB3EVY

I've been busy this past summer what with a little boating and fishing; running up to see the grandson; and just doing as little as possible during those "dog days" we went through. This Nuts & Bolts thing was the last thing I had in mind but some of you expressed a liking of the rantings and ravings so...

Catastrophy is no stranger to any of us but of course what seems to be so catastrophic at first usually tones down to a lesser level after a while. Like the time I was doing some overhead wiring in the basement. Had a small step ladder but couldn't use it when working directly over the washing machine. Put my knee on the top loading door to reach the work overhead and before I knew it- BANG! Broke the door it seems. Well, what can I tell you? In the XYL's eyes-catastrophy! "You dummy. Now see what you've done. New washer. Can't be fixed." Oh well, still had to finish the wiring job and later, upon closer examination, the door was found to be okay but the little nylon ball-hinges were crushed. They were easily obtainable for replacement. No sweat- no catastrophe.

How about starting what should be an easy, quick, repair job only to have "catastrophy" at the very start? Try removing a rusty bolt or screw and it snaps. Great huh? Oh you're not finished yet. The part that broke off falls into the equipment you're working on. No problem, you say. What if it's a gear box? Easy, you say. Take the gear box apart and retrieve the broken piece. But the stupid bolt has to come out first to get the box apart and there is still 90% of the darned thing stuck in the hole. Rusted in tightly and without a head to grab. Catastrophy? Not quite. Drill the bugger out and use an "easy-out" is the next step. That's what you're supposed to do. What do you do when the steel "easy-out" breaks off in the drilled hole? At that moment it's CATASTROPHY! All of you know how logical and level headed I am. In no time the problem was solved and the rest went as smooth as cream cheese on rye bread. I got help.

Most catastrophies are least expected. So what else is new? Mom asks Dad to fix the light switch on the livingroom wall. Now c'mon, what could be easier? What could happen? Dad removes the plate screws and immediately drops one down the cold air return vent. The plate is stuck a little so he pulls it free and takes 2" of wall paper with it. Neat huh? There is too much plaster around the switch and box so some will have to be chipped away to get the switch out. You guessed it. The hole that suddenly appears is big enough to put in another switch box. While Mom has a \$2 hemorrhage it will occur to her later that it's all repairable but not by the dummy she's married to.

Or maybe this one may be more familiar. The faucet in the 2nd floor bathroom drips. According to the rules; just about anyone can change a washer. So you look for the shut off valve only to find there is none. Down to the basement to shut off the main valve and back up stairs with your trusty supply of new washers and tools. Did you wrap a cloth around that nice chrome fitting before you dug the teeth of those plyers into it? Oh well, no one will see the gouge marks. Aha! Here's the trouble. The washer is all cut up. No wonder it drips. Hmm, that screw is rusty too. Enough to break off as you lifted the unit. Still nothing catastrophic-yet. Can't get the screw out cause it's rusty and the head is gone. Gone where? You know where. Into the valve seat is where. You, our hero or heroine, get a break and the old screw comes out and a new one installed along with the new washer. Back the unit goes and again those nasty plyers carve their initials into the chrome. Back down to the basement (puff-puff) to turn the water back on. Then run upstairs once more to gleefully check the work. What's that you hear on the way up? WATER RUNNING! Oh my goodness, it's squirting all over the bathroom.

NUTS, BOLTS AND OTHER LOOSE THINGS

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Not in the sink but all over the walls and the floor. Lots of it. Forgot to tighten something correctly? Broke a pipe maybe? Well don't just stand there you idiot. RUN! Back down the basement to the shut off valve. If you live- you make the trip once more and cut the water off. Ah, all is well. Think so? Here it comes, gang. Catastrophy of the first magnitude. A classic.

As we travel together back up to the land of the XYL's and harmonics and begin that last mile up the stairs to the 2nd floor, you wonder what next. While returning to the scene of the crime you cannot help but notice a growing wet spot on the ceiling in the livingroom. It gets larger and meaner looking even as you stare at it open mouthed. Looks a bit like a rust spot now. Oh look at the nice shades of brown coming through. Terrific! As you drop your gaze from the now massive water stain that is beginning to drip onto the new carpet, your eyes take on that steel gray look and a coolness that reminds one of James Bond. Then ever so slowly you turn and scream your bloody head off. Now THAT'S a catastrophe.

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Synopsis of the minutes from the past General Meetings:

As of June 16, 1983 we have \$2769.51 in our treasury.

We also have 173 paid-up members on our roll, thanks to the efforts of the Membership Committee.

Unfortunately, due to lack of interest or other commitments, there was no Field Day for H.A.R.C. We thanked Al Pancari, KA3FWW for all his efforts, but he could not do the job alone.

The Technical Committee has received the new antenna and installed it at the main site. The link that was transferred to the Richboro site is now back at the Holiday House on Roosevelt Blvd., but is not in working order. It should be back in good condition sometime within the next two weeks.

The membership agreed that if any Delaware Valley group or organization wishes our services in the way of communication help, we should be notified at least three months in advance.

If any member wishes to purchase a H.A.R.C. jacket, please get in touch with Harvey, K3YLL. He will get prices sometime in September and will need your name in order to order these jackets.

H.A.R.C. is still looking for class space to hold their Novice classes sometime this fall. If anyone has any information on this, please get in touch with Steve, KR1M.

It is urgent that our members support H.B.49 or S.B.783 which is an Ordinance Excluding Amateur Radio Antennas and Towers Prohibited- No zoning ordinance shall exclude or restrict the erection, location or height of an amateur radio antenna, or the tower supporting such antenna. An ordinance may regulate the construction or maintenance of an antenna tower, but only to the extent as is necessary to protect life or property.

We strongly urge each member to get their letters out in support of this Bill to their Congressman and Senator in Harrisburg.

NEWSLETTER

A proposal has been made to run code practice for 30 minutes prior to the Wednesday nite net for 5-10-15-20 words per minute. The Directors have taken this under advisement and would like to hear from the general membership on this proposal.

Our President, Steve Sosson KR1M has once again brought up the subject of proper procedure on the air. He strongly recommends that all hams identify themselves and allow 'breakers' to identify their needs, instead of ignoring their calls.

The Newsletter and Directors meetings will continue during the summer. Next General Meeting will be in September, date to be announced.

Claire Kuperman, Secretary, KA3DNU

A synopsis of the minutes of the last meeting:

We now have 184 paid-up members on the rolls. In order to receive the autopatch access code you must have your 1984 dues in by January 1, 1984. It is not to early to send them in now.

Harvey (K3YLL) is still taking orders for H.A.R.C. jackets. Please call 342-5925 if you would like to place your order.

Harvey (K3YLL) is also getting an early start on his OPERATION SANTA CLAUS which will take place on December 17, 1983 at Children's Hospital. He is asking for individual donations of money and/or toys. Send your donations to the ~~XXXXX~~ Holmesburg Amateur Radio Club, Inc. P.O.Box 6253, Philadelphia, PA 19136.

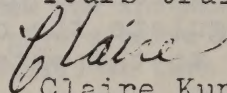
The Technical Committee have been diligently repairing the problems at the main site at the University of Pennsylvania campus and the Northeast input on Holiday House. If you would like to become a member of the Tech. Committee or help out in any way, please call John Guyon (WB3BYM) at 969-0442.

We have returned to the Sunday morning meetings at Frankie Master's Best Western Motel on Roosevelt Blvd. We are hoping to see all of you there on October 9, 1983. We are featuring a special program by the SKYWARN people.

The annual H.A.R.C. banquet will take place at the Travelodge on Rts. 73 and 295 in New Jersey on Saturday evening January 21, 1984. Details are being worked on and more information will be forthcoming. We are in dire need of door prizes. If you have any interesting items to donate, please get in touch with Jay (WA3IFY) or Lou (W2FVJ)

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Yours truly,



Claire Kuperman, Secy.

BUY/SELL/TRADE/WANTED/JOBS

This service is provided FREE to members. The club assumes no responsibility for the condition of equipment offered. Space is provided on a first come basis. All insertions must be received by the editor of this column not later than the 5th of the month the newsletter is scheduled for publication. The editor reserves the right to reject or revise any ad that in his opinion may be commercial in nature or bring discredit to the publication and/or the club. Submit items to Bill Soble, W3QXT, preferably by mail, to 9357 Hoff Street, Phila., Pa. 19115. Requests for insertions by telephone will also be honored, by calling AC 215 PH 676-6769. Please advise if your insertion produced successful results.

SALE: Linear Amplifier, Heath, 80 - 10, Model SB200, w/manual. Less than 40 hours use. \$325.00.

Amplifier, 2 meter, Heath, 10 watts, for HT, Model HA-201A. New. \$40.00.

LENS, ZOOM, Sears, Pentax "K" mount, 75-260 mm. New. \$85.00.

LENS, similar to above, 80-200 mm. \$70.00. New.

Minolta Electro flash, 280 PX. New Condition. \$30.00

Auto Radio, Stereo, AM/FM/w 8 track, LED display. Sears dash mate. New. \$45.00

TOM - K3AI and a J - 331-5185

SALE: Handy talkie, 2 meter, PACE, 6 xtal positions w/xtals for 146.640, 146.58, 146.835, 146.52/52, 146.91, 146.94. Touch tone pad. Recently retuned and aligned. Asking \$125.

George - K3GFF - DE8-4260

SALE: Transceiver, KENWOOD TS-520-S, w/CW filter, Mike, and manual. Mint Condition.

LARRY - K3BFQ - 215-364-1336

SALE: Transceiver, Commercial, General Electric Progress Line, approx. 50 watts, with two mikes and schematic. Covers 152 to 175 MHz, but can be converted for 2 meters. Tube type. 2 xtal channels. Gud Condition. \$75.00.

BILL - W3QXT - 215-676-6769

SALE: Kenwood 2 meter transceiver, TR 7800, Good condition. \$250.00 or best offer.

JAY - WA3IFY - 215-289-4531

SALE: CONVERTER, UHF, (Mfj-313). Converts 154-158 and 160-164 to 144-148 MHz on synthesized HT. 2.25" x 1.5" x 1.5". BNC. Approx 3.5 oz. New. \$35.00.

Howard - KA3LJP - 215-985-4793

SALE: Transceiver, 2 meter, Yaesu FT 230R, synthesized, FM, 25 watts, small size, Touch tone pad. New. \$225.00

Transceiver, 2 meter, Heath, Model VF-7401, with AC supply. 15 watts, Microphone. VY GUD CONDX. \$125.00

ED - N3CTB - 215-676-4417 After 6 PM

SALE: Transmitter, Johnson Viking, 80-6, "Challenger", 120 Watts, AM/CW, with cables and relay.

B&W low pass filter.

6 meter xtals, 2 dozen, new.

8 track stereo tapes, 2 dozen, New.

BEN - WALEYJ - 215-627-6251

SALE: Microphone, D-104 Astatic Crystal, with amplifier in base. Chrome desk stand. Top notch condition. \$35.00

BILL - W3QXT - 215-676-6769

NOTE: If its gathering dust in your basement, garage, or attic you are being negligent. Its nice to be able to cart your collectibles to a ham gathering, but your newsletter gets read by some 180 members, who might be interested in buying an item you have for sale. Think about it!!!!

NEWSLETTER

I'm enclosing a copy of an Agreement for Skywarn Project, which you may print in it's entirety or pick out whatever you may think is important. H.A.R.C. is now affiliated with SKYWARN and we think the members should become acquainted with their rules and regulations and what they do.

CLAIRE - WA3DNJ

AMATEUR RADIO/NATIONAL WEATHER SERVICE
AGREEMENT FOR SKYWARN PROJECT

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1. Introduction

1.1 The Amateur radio operators at large in the adjacent four state area have entered into an agreement with the National Weather Service (NWS) to provide communication under specific and controlled conditions.

2. Purpose

2.1 The purpose of this plan is to provide communications for the collection of weather observation reports to be relayed to the NWS during periods of, or the threat of severe weather. The NWS has need for additional observations to supplement their normal observational network during severe weather. These supplemental observations are vital to the NWS in their mission of alerting the public of severe weather.

2.2 By entering into this agreement, the Amateur radio operators at large in the Delaware Valley are providing an invaluable public service in that the augmenting of weather observations will enhance the NWS's ability to provide warnings which may save lives and property.

2.3 The communications will be activated and conducted as a NET upon the issuance of a severe weather bulletin by the NWS affecting the assigned area, or by an amateur operator who may observe severe weather in this assigned area. Severe weather may be defined as:

- a. Winter storm or ice storm.
- b. Heavy snow fall or freezing rain.
- c. Flash flooding (rivers or secondary streams).
- d. Severe thunderstorms.
- e. Tornado or hurricane.
- f. High winds.
- g. Coastal flooding.

Or any other weather related phenomenon that could cause loss of life or property damage.

3. Area of Interest

3.1 The area of interest assigned to the Delaware Valley SKYWARN NET is defined as that area within a 100 mile radius of

Wilmington, Delaware which includes Delaware and portions of Eastern Pennsylvania, Northern and Western Maryland, and New Jersey.

3.2 The weather net communications will be provided through the Havre de Grace, Maryland; Salem, New Jersey; Lancaster, Pennsylvania; Philadelphia, Pennsylvania, (Holmsburg), Gloucester County, New Jersey; Valley Forge, Pennsylvania; and Wilmington, Delaware repeaters for relay to the NWS.

4. Activation of the SKYWARN NET

4.1 The NET can be activated by request from the NWS when a threat of severe weather is likely, or by any amateur operator observing severe weather conditions as in part 2.3. An announcement will be made over the 146.355/.955 repeater that this is the Delaware Valley SKYWARN NET. Each amateur station, mobile or base, is requested to give weather information as requested by NET control. Each net control operator will have a group of questions prepared by NWS for that particular watch or alert.

4.2 An informal net activation can be requested by NWS for verification of reports by other sources than amateur radio operators to confirm the existence of severe weather not anticipated by NWS.

5. Operating the NET

5.1 The NET will be a controlled net on 146.355/.955 and NO ONE is to transmit unless instructed to do so by NET control. The exception is for stations with emergency traffic.

5.2 Call-up on participating repeaters other than 146.355/.955 shall be done on an informal basis and for a minimum amount of time (approximately 2-5 minutes). Either Eastern or Western NET control will ask amateur operators to contact Central Net Control on 146.355/.955 if possible. If communications on the Wilmington repeater are not possible, information will be taken quickly on participating repeater frequency.

5.3 Western Net Control shall transfer all collected information directly to NWS on 147.540 Simplex or by land line as outlined in paragraph 6.2 to on-site amateur operator at NWS at 15 minutes past net activation. Central Net Control will transfer all information at 20 minutes past net

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activation on 147.540 Simplex, and Eastern Net Control will follow with transfer of information at Net activation +25 minutes.

5.4 At 30 minutes past net activation, the sequence will repeat with Western, Central, and Eastern Net Controls reporting information to NWS on-site operator. Sequence will continue at 30 minute intervals until closing of net. (See paragraph 7.1)

6. Co-ordination Between NWS and Net Control

6.1 The NWS may use commercial telephone lines to contact designated NET controllers at the following numbers.

NAME	NUMBER
Mel Leibowitz <i>W3KLT</i>	798-4710
Bill Ryan <i>W3DPJ</i>	478-2757
George Whisler <i>W3LEU</i>	478-2116
Robert J. Pegritz <i>W3DIF</i>	798-4870 or 428-2400

6.2 The Net Control may use the commercial telephone lines to contact NWS to coordinate net activity. The NWS numbers are

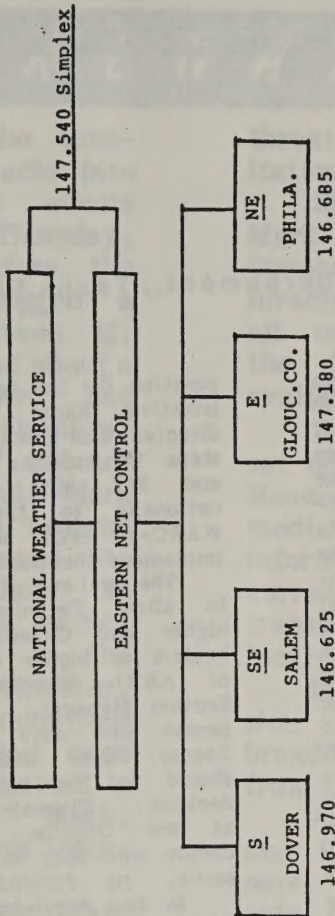
PREFERENCE	NUMBER
First	
Second	

7. Closing the NET

7.1 Upon NET Control receiving notification from NWS that reports are no longer required, the net will be closed.

8. Reports

8.1 NET Control operators should report as quickly as practical the purpose, duration, and all participants of the DELAWARE VALLEY SKYWARN NET through the ARRL SEC to ARRL headquarters for proper accreditation.



REPORT TO NWS

NET+ 30 min.

NET+ 60 min.

etc.

THE ARRL NEWSLETTER

FOR MEMBERS ONLY

Volume 2 Number 21

October 13, 1983

ARRL BOARD MEETS:**VEC Reimbursement...Techs Eligible for Office...**

The ARRL Board of Directors held its second meeting of 1983 October 5 and 6 in Houston, Texas. A principal topic of discussion was the League's participation as a Volunteer Examiner Coordinator under the guidelines established by the Commission in its Report and Order in P. R. Docket 83-27. The FCC did not provide for the reimbursement of out-of-pocket expenses for VECs. It is clear, however, that some party or parties will pay for the administration of the tests; the question is which party will bear the burden. If there is no provision for reimbursement of out-of-pocket expenses, then those who provide financial support for the VEC administering the tests will be paying the bill. In the League's case, this means that League members would be paying for the administration of tests to League members and non-members. The League feels that this financial burden should be borne by those receiving the direct benefit; i.e., those taking the tests. Legislation is to be introduced in Congress which, if enacted, will permit the recoupment of out-of-pocket administrative expenses of a VEC. Accordingly, the Board reiterated its desire to participate as a VEC, such participation, however, only to commence upon governmental authorization for recoupment of VEC expenses and approval of any agreement between ARRL and the FCC by the Board of Directors.

In a forward looking action, the Board endorsed the concept of early IARU pre-

paration for the next General World Administrative Radio Conference. It also directed that ARRL officers and staff take steps to expedite access to the 18, 24, and 902 MHz bands allocated internationally to the Amateur Service at WARC-79 (FCC action is still required to implement the WARC-79 allocations).

The By-Laws of the League were amended to allow Technician class licensees or higher and Canadian Amateur Certificate holders or higher to run for the positions of ARRL Director, Vice Director, or Section Manager. The Board feels that a person who does not wish to pursue a license higher than the Technician class should not be penalized for his or her decision. Ultimately, the voting members at the Division or Section level will decide who they think is most qualified to serve.

In two regulatory matters, the League will petition FCC to adopt American National Standards Institute standard C95.1-1982 as an interim RF protection guideline and thereby establish federal preemption in this area, and will petition FCC for RTTY privileges on the 160-meter band. The Board also authorized an agreement between ARRL and the Quarter Century Wireless Association and a Memorandum of Understanding between ARRL and the Associated Public Service Communications Officers.

✓ Senator Barry Goldwater, K7UGA, has announced that he is willing to introduce a bill to authorize the Volunteer Examiner Coordinator (VEC) to recover costs incurred in the administration of amateur exams.

The FCC adopted a regional plan, with VECs in 13 radio districts (last issue) which eliminates an appearance of an ARRL "monopoly".

The bill is pending further rewording; there is agreement in principle, but a difference in words.

✓ Plagued by the CATVI bug? Please take a minute to jot down your experience in a note to ARRL Hq. Your input will help us keep tabs on this national problem. We, in turn, will provide materials to support your local efforts. Cable television interference complaints should be submitted to Richard Palm, K1CE, at Hq.

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GRENADA

National press coverage of the invasion of Grenada thrust Amateur Radio into the forefront of the dramatic events taking place this week. On Thursday, October 20, nearly five days before the invasion occurred, ARRL Hq. logged a telephone call from a worried Steven M. Lomazow, N2DRA. Steve was worried about a friend of his, a medical student and fellow Amateur Radio operator on Grenada. Though Steve and ARRL Hq. staff did not know it at the time, Steve's friend, Mark Baretella, KA2ORK, was about to become the only communications link between St. Georges University Medical School in Grenada, and an anxious American public.

Since the coup that resulted in the execution of Grenada's Prime Minister, Maurice Bishop, regular communications between the U.S. and Grenada had been unreliable. Steve, however, maintained a regular scheduled contact with Mark, KA2ORK/J3. ARRL Hq. relayed this information to the U.S. State Department in Washington, and later that day the State Department issued a memorandum covering this information. The memorandum also stated for the record that though under normal circumstances transmittal of messages on behalf of third parties between amateurs in the U.S. and Grenada are not permitted, "Where there exists an imminent

threat to life or property . . . this limitation may be waived."

Early Tuesday morning, October 25, Mark Baretella, KA2ORK, transmitted from Grenada the news that U.S. troops were invading the island. News agencies from all over the U.S. sought information on the Grenada crisis from the only source available, Amateur Radio.

ARRL Hq's Public Information Office set up a listening post at W1INF, the ARRL Headquarters Operators Club station. News media from across the country requested information. ARRL provided callers with current information garnered from Mark's transmissions, and names and addresses of local radio amateurs.

In Newington, local radio and television stations representing all the major broadcasting networks made live reports from both W1INF and W1AW.

As reporters and ARRL officials at Hq. and in the field monitored the emergency nets, it became apparent that Mark was the only news source direct from the troubled island. "Under heavy artillery fire . . . [several] helicopters were seen going down . . ." Despite the grim painting Baretella made for the press, he also said that most of his fellow medical stu-

(continued on page 3)

dents seemed okay. At about 7:45 p.m. EDT, October 25, Baretella said that he heard of helicopters landing, and that the school was being secured by U.S. forces. One other amateur operating from the island, Don Atkinson, J37AH, assisted Mark by handling questions from the press.

Throughout Tuesday and Wednesday evening, television and radio coverage of Mark's transmissions continued from W1AW/W1INF and from Amateur Radio stations across the country. It is clear that the American public is thankful for the information Amateur Radio provided.

Amateur Radio operators continue to fulfill our duty of public service re-

garding the Grenada crisis, and we hope that in some small way we have alleviated some of the stress and concern felt by us all.

Grenada (J3) is a small spice island in the Grenadines, off the coast of Venezuela. The island covers only 133 square miles and has a population of about 110,000. Grenada struggles with high unemployment and few resources. Its economy is based on tourism and food processing, particularly cocoa, nutmeg, bananas and mace. The dominant languages are English and Creole.

THE ARRL NEWSLETTER

FOR MEMBERS ONLY

STS-9 Update

The launch date of STS-9 is in danger of slipping from the end of October to the end of either November or February. After recovering the Solid-fuel Rocket Boosters (SRBs) from STS-8, NASA discovered excessive erosion of the ablative material lining one exhaust nozzle and funnel. The ablative material protects the metallic portions of the nozzle and funnel from burning through during the burn of the engine. (Once an SRB is ignited, it will burn until the fuel is exhausted.) Should burn-through occur during ascent, the Shuttle would probably be thrown into a violent spin and go off course.

NASA has indicated that the Morton Thiokol Corp., building of the SRBs, has conducted tests on models of the STS-9 rockets at their lab in Utah. At press time (Thursday morning), one test model has failed while another has passed. More tests are to be conducted in the next few days. NASA will decide by the 18th whether to replace the SRBs with a new set (stack, as NASA calls them) or not. Such a decision to hold would permit them to move STS-9 back to the Vehicle Assembly Building, replace the SRBs and still launch by the end of November. If the decision to hold comes after this date, NASA will be forced to hold until February, because of the nature of some of the experiments on Space Lab I.

We have included information about the flight and Dr. Garriott's plan of operation on the assumption that STS-9 will lift off on October 28. Should NASA hold STS-9, some of this information will probably be rendered incorrect. In the meantime, copy W1AW bulletins for latebreaking news.

There are some major changes to Dr. Garriott's operating schedule. Not only must he be off-duty and awake, but Columbia must be in the proper attitude to permit the antenna to "see" the earth. Keep in mind that changes in STS-9 attitude requirements brought about by slight changes in the schedule of Space Lab I experiments could have an impact on Dr. Garriott's schedule.

For U.S. stations, STS-9 ham radio operations will be as follows: Dr. Garriott will transmit on 145.55 MHz, with 145.53 or 145.57 as backup. He will listen only to 144.91, 144.93, 144.95,

144.97, 144.99, 145.01, 145.03, 145.05, 145.07 and 145.09 MHz. Remember: These are the U.S. frequencies, and only these frequencies will be monitored. He will not be listening on his transmit frequency. W5LFL will transmit for the 60 seconds of each even minute and will scan the 10 receive channels for the 60 seconds of each odd minute. (Set your clock to WWV.) When calling, say "W5LFL" only once, followed by your call several times.

Operation in most of the rest of the world will follow the U.S. pattern. The only exception is that over Europe, Dr. Garriott will receive on 144.70, 144.725, 144.75, 144.775, 144.80, 144.825, 144.85, 145.35 and 145.45. His transmit frequency remains the same in all areas.

Remember, these are only the "possible" operating times based on the "nominal" flight plan. Check W1AW bulletins for late news. Other sources of late-breaking news on changes in operating times are W5RRR (28.6, 21.37, 14.28, 7.23 and 3.85 MHz), Electra/Bearcat (1-800-SCANNER), Westlink's Hollywood number (213-465-5550) and ARRL's Ham-in-Space Info Line (203-666-0688). Please recommend to your non-ham friends that they call Electra's number (1-800-SCANNER). Good luck!

The deadline for submitting footage of hams working STS-9 for inclusion in the second ("timeless") version of the "New Frontier" videotape is November 17. We need broadcast-quality, 3/4-inch U-matic cassettes. Send the tapes to STS-9, Public Information Office, ARRL Hq. All submissions must be accompanied by a release form from the TV station shooting it.

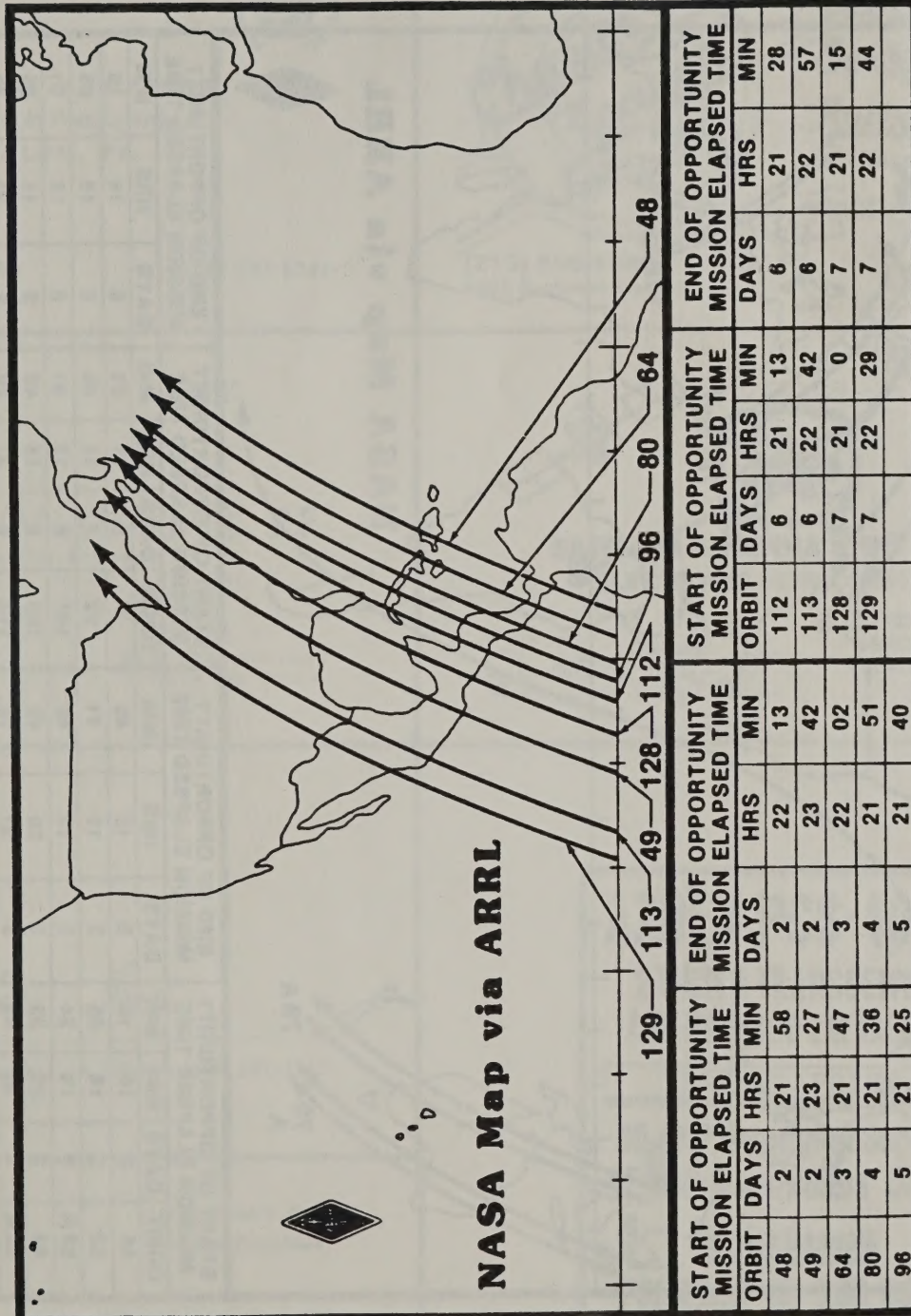
✓ The FCC issued a news release on October 7 granting the extension of amateur station and operator license terms from five to ten years (P.R. Docket No. 83-337). The renewal grace period is two years. The new license terms will be phased in as licenses come up for renewal. Details will be in December 1983 QST.

✓ ARRL is looking for volunteers for its new ARRL Interference Reporting System (AIRS). Please see the article in October QST, pp. 54-55. Write to ARRL Hq. for an application form.

THE ARRL NEWSLETTER ¹³

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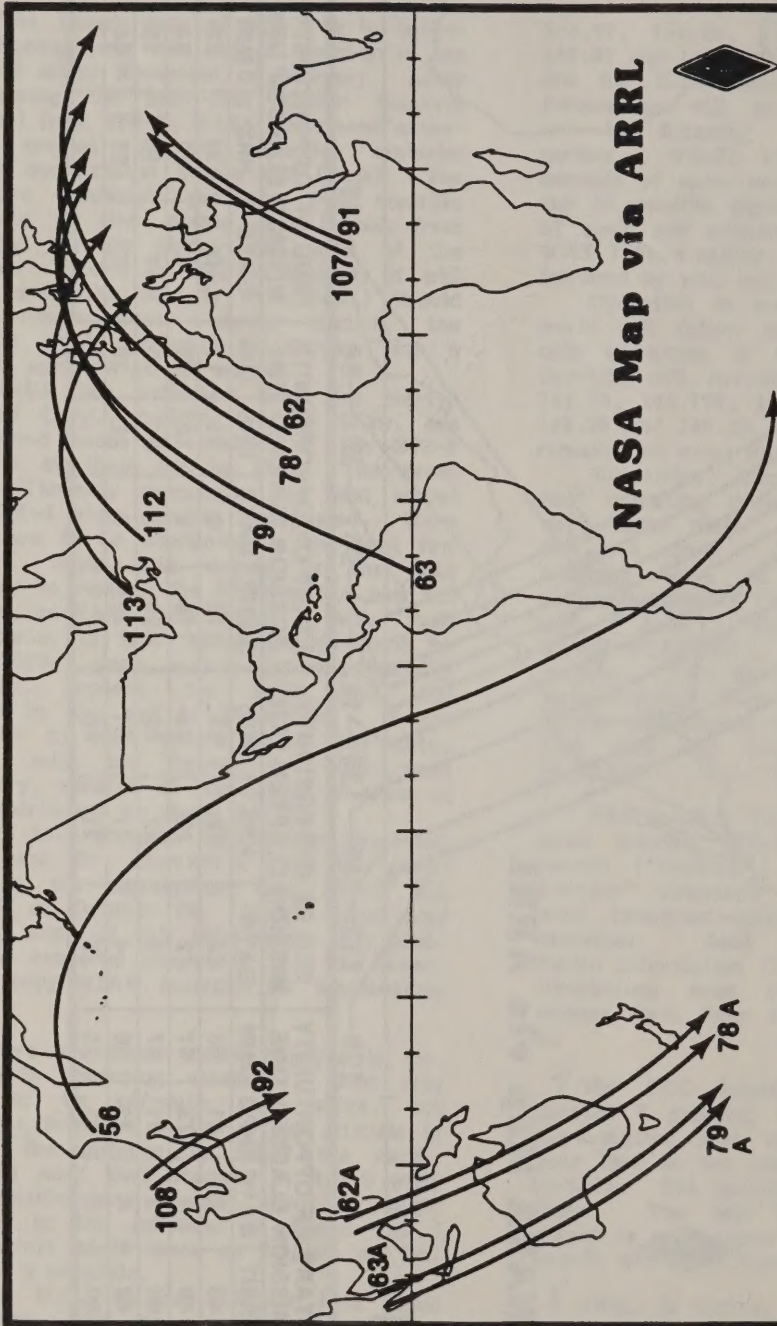
STS-9 AMATEUR RADIO DEMONSTRATION GROUND TRACK LOCATOR U. S. OPPORTUNITIES



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62	3	18 55	3	19	11	92	5	15	5	16	05
62A	3	19 34	3	19	49	107	6	13	6	14	01
63	3	20 33	3	20	43	108	6	15	6	15	55
63A	3	21 03	3	21	18	112	6	21	6	21	35
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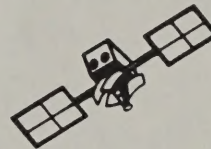
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1983

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