



# K7LED

# RELAY

AN  
ARRL  
AFFILIATED  
CLUB

NEAR SEATTLE, WASHINGTON

VOLUME 13

JUNE 1985

NUMBER 6

### CLUB OFFICERS

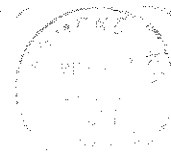
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| Activity Mgr   | Pati Sutton       | WB7VJA | Trustee No. 5 | Dick Dietsch     | W7KCX  |

CLUB RADIO OFFICER: KEN RAU, K7YR

The K7LED RELAY is the Official Publication of the MIKE and KEY AMATEUR RADIO CLUB, 5430 Lake Alice Rd SE, Fall City, WA. 98024. The Club meets the third Saturday of each month at 10am in "The Good Neighbor Center", 305 S 43rd St. Renton, Wa. All "Hams" invited.

The MIKE and KEY net meets each Sunday morning at 10am on 3930 kHz with Novice and CW check-in on 3730 kHz and VHF on 146.58 MHz and K7LED/R 52.37-53.37 MHz.

K7LED RELAY EDITOR  
13517 117th Ave NE  
Kirkland, WA. 98034



### REPEATER FREQUENCY

**52.37-53.37**

First Class

### BOARD MEETING

July 10, 1985  
W7KCX ATH  
1930

### CLUB MEETS:

UGN CENTER  
RENTON 10:00

PETE HEDBERG K7WTG  
20904 NE 77TH ST  
REDMOND  
WA 98053

### ACTIVITY EVENING

FIELD DAY

COFFEE AND DONUTS WILL BE READY AT 0930. SEE YOU AT THE MEETING

Here are the names, addresses and phone numbers of the Club Officials. See front of Relay for position.

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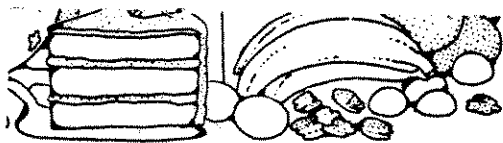
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**EDITOR**  
**RAY E LESLIE, WA7EKH**  
PHONE 821-4188



### ZUCCHINE BREAD - Corinne Christiansen

- 3 eggs
- 1 Cup oil
- 2 Cup sugar
- 2 Cup grated peeled zucchini
- 3 tsp vanilla
- 3 Cup sifted flour
- 1 tsp salt
- 1 tsp soda
- 3 tsp cinnamon
- 1/4 tsp baking powder
- 1/2 Cup chopped walnuts

Beat eggs until light and foamy, add oil, sugar, vanilla and zucchini. Mix well. Sift together flour, salt, soda, cinnamon, and baking powder. Add and mix until blended. Fold in nuts. Pour into 2 - 9x5x2 inch pans. Bake at 325 for 1 hour.

### THINGS YOU SHOULD KNOW + + + + +

A former Amateur-licensed person whose license has been suspended or revoked by the FCC is denied the privilege or right to operate a Amateur Radio Station.

Section 97.79(d) of the Amateur Rules allows a licensed amateur to participate in Amateur Radio communications from his station. This also allows persons who are not licensed to experience the benefits of Amateur Radio and to stimulate their interest in Amateur radio by talking on a licensed station.

A person who was formerly licensed and was suspended or forfeited his license to operate a Amateur station if further prohibited from communicating over Amateur Radio under and all circumstances.

It looks like the FCC will accept ARRL's proposal (when submitted) to provide assistance in the issuance of Amateur station call signs - Watch for this in the ARRL Letter, QST and other amateur publications.

The new ARRL Repeater Directory indicates there are 9,351 listings, up 14.3% from 1984. There are 5,931 on 2M, 1758 on 2209MHz. California leads the list with 927 repeaters followed by Florida, New York and Texas.

You should only use enough station power (watts) to get the job done. Do not use excess power, like 100 watts when 50 watts will do.

James W Smith, W6VCE of El Cajon, Calif. had his license revoked for causing willful and malicious interference to radio communications.

As of February 28 there were 36,303 Extra Class, 97,508 Advanced, 116,874 General, 80,658 Technician, 79,497 Novice licensed operators. Total 410,850.

Ray - WA7EKH

Our Club population consists of 1 Life member, 1 Non-licensed member, 7 Associate members and 59 Full members. For a total of 68 members as of 20 May 1985. Lets try to increase our membership, encourage your Ham friends to attend one of our meetings or one of our Activity Evenings.

## THE SEASIDE JAUNT

6:00 a.m. sure comes early -- time to depart at 7:00 a.m. and meet the group at the weigh station off the freeway. Mark, WA7ECU, forgot his sleeping bag. Rick, WB7DTI, and Terry, and Gene, WA7TAI, joined the caravan. Couldn't go past Chehalis without stopping for breakfast at Country Cousins. The drops started coming down as we got to the bridge crossing the Columbia River. We arrived at the Venice Mobile Home Park at noon. Mike, WB7AYU, and his group had arrived Thursday night. It's raining pretty hard by now -- time to catch a few Z's. Can't get into the Convention Center until 5:00 p.m. I had already snoozed on the way so I took the time to read.

Later that afternoon, we heard Jack, KB7ZS, on 220 Mhz and Raleigh, WB7WNP would be arriving shortly. About that time the guys were waking up--Got everybody settled and left for the center. The early bird catches the bargains; just ask Jim, Hal and Mark. They were like little kids in a toy store!!

Harry, W7JWJ, and Mary, W7QGP, were glad to see the club representation at the convention. Everyone hadn't arrived yet tho. What's this? Kenwood now has a miniature handi-talkie on 220 like ICOM. Good price, plus they gave me an extra battery. Couldn't pass that up -- if I could just keep Jim, WA7LNQ, from transmitting and wearing it down!

It quit raining long enough to fire up the BBQ--Hot dogs, hamburgers and steaks were the menu. By that time Karl, Deborah, Vern, Dick, Pete, Nikki and others were arriving. Some stopped for a visit and then proceeded to Cannon Beach. Many of the group joined us in our motor home to chat. Pete, K7WTG, will never forget that evening!! I wish I had a tape recorder. Nikki was in great form and kept us in stitches for a long time -- Why do you have to have 2 or 3 of everything Pete? Especially if you keep them in boxes and store them. I guess he's gonna open his own store and everything will be brand new to sell. She sounded so much like me

before I became a ham. Time to get some shut-eye -- gotta get there by 8:00 a.m. to get more bargains.

It was still raining Saturday morning but us ladies went on the treasure hunt to the merchants -- Didn't win anything, but it

was interesting. Lots of white jackets around; they sure repel water well. Convened to dry off and pizza followed by more stores for the ladies and the men still looking for bargains and attending the convention seminars. Can't cook out (it's still raining) so a dozen of us converged on a restaurant--good food! Had to sit by fours. Finally it quit raining and we had a beautiful sunset and a nice walk on the beach topped off with ice cream. What a long day!

On Sunday it was decided we needed a group picture so Jim organized a time and place before everyone left. Our white jackets were noticed everywhere. We weren't able to get everyone together, but have a nice group picture. What, Pete, another radio? It was a race between Pete and Jack to get the last Kenwood TH3/AT 220 handi talkie. Oh well, Jack wanted a 3AT anyway! Counted 30 plus club members, plus wives. It was a lot of fun! Most stayed for the prize drawing but none of the club members were lucky enough to win. Vern, W7ZLW, won one of the hourly prizes which was a name badge. Oh well, there's next year and we got some ideas for the flea market. It was a lot of fun!

Activity Manager, Pati WB7VJA



At the May club meeting the proposal for the 220Mhz club repeater was presented and approved by the membership. I really believe that the repeater system will be a great benefit to the club. Pledges were taken in writing at the meeting to collect \$1,500 to use, along with the \$1,500 from the club treasury, to purchase the repeater, and to provide maintenance for the first three years. The treasurer has indicated that the goal of \$1,500 has been obtained but if other members wish to pledge a contribution, he will accept them and allow those who have already pledged to revise their amounts. Pledges should be in \$50.00 increments. The treasurer will contact those who have pledged to collect the monies and issue certificates. The cutoff date for pledges will be June 16, 1985.

The repeater was ordered at the Dayton Hamvention and construction has already begun. The frequency will be 224.12 transmit and 222.52 receive. The location of the repeater will be on Tiger Mountain and will be at an altitude of about 3,000 feet. We expect to have the repeater in operation by mid to the end of July. We need to collect the pledges in order place the order for the antenna and duplexer.

I will provide a repeater status update on the club nets and will have an information column in the Relay.

Hal, N7NW

#### JUNE AND JULY ACTIVITIES

The program for the June meeting will start at 10:05, right after the raffle. Remember, the doors open at 9:30 for coffee, donuts, and sale of raffle tickets. The program will be presented by Gib, W7JIE, is on the intruder watch. This facinating program has been presented by Gib to many clubs and groups in the northwest.

The July program will feature a program on Packet Radio -- a visual demonstration by John Gates, N7BTI.

I will have more information on the July activity at the club meeting. I'm planning on July 13 for a tour of the STe Michelle winery at 11:00 a.m. and wine tasting in the Barrell Room. Plan on bringing your lunch or cheese and crackers. You'll learn what goes with what!

Pati, WB7VJA

Well it was great seeing the turnout of about 25 plus members at Seaside with all their jackets on. It was very impressive when you stood on the second floor and all of you wandering around. I also received very favorable comments from people about our flea market, saying that they are planning to be-there next year.

A reminder to club members, the activity portion of the meeting starts at 10:00 a.m. with the business meeting starting about 10:30 for the June meeting. This month's speaker is Gib, W7JIE, on all that garbage on the ham bands.

Looking forward to Field Day this year and all of the activities, parties, contacts, work parties, and everything else that goes into making Field Day a great success. It looks like they have a new park ranger at Marrowstone this year, so let's be on our best behavior and maybe we can return next year. We have had some comments the last two years on campground rules being stretched to the limits, and being overlooked because of our past performance, but this year may be different, so lets not push it. Thanks.

See ya at the meeting  
Chuck, WA7EBH



GENERAL MEETING MINUTES May 18, 1985

Meeting called to order at 10:00 a.m. with roll call query "Are you going to Seaside?"

OFFICERS REPORT

President

No smoking during meetings. Next meeting order of business changed to open at 9:30 a.m. for coffee, donuts and sale of raffle tickets. Raffle at 10:00 a.m., program at 10:05, ending no later than 10:45.

Vice President

Vote for new members. Mike Dinkelman, WA7UVJ and Dewey Heu, WB7OEV passed. WA7YPV not eligible for membership.

Secretary

WB7VJA, Pati substituting. Corrections to minutes: WA7YPV not eligible for membership. Motion made and passed to delete words "if practical" on repeater report. Motion made and passed to have no alcohol subsidized by the club for field day. Minutes passed with corrections.

Treasurer

As of April 30, 1985, the balance is \$4,689.05.

Activities Manager

Seaside Or May 31 to June 2, 1985. June program Intruder watch. June activity is Field Day. July program is on Packet Radio and the activity is a possible Ste Michelle winery tour. Lane county Ham Fair July 20,21 in Eugene OR. Program changed to "Packet Radio" VHS. The worth of the 75 meter net on Sunday was evaluated and encouraging more check-ins and announcements of activities, especially by board members. Continuance of the net will be voted on at the July meeting. Full control of Swap and Shop by Jerry, W7BUN and use of club name left to his discretion.

Committees

Relay: Vern, W7ZLW, will edit and print the newsletter while Ray, WA7EKH is vacationing.

VEC: Not much activity for Bob, KB7LM. Eppy handling most of it through the BEARS.

Training: Novice class of Jim, K7ND, and Hal, N7NW, completed with 50% passed. BEARS take over for Tech/General. June 29 exams at Tacoma Radio Club clubhouse. Hal would like to see club effort for novice classes.

Field Day: Band chairman asked if they need any equipment. All paperwork sent to ARRL and park ranger. Mike, WA7UVJ, taking over publicity in place of Mike, WB7AYU.

Picnic: Hal, N7NW, working on date and place.

Budget: Voted to accept as submitted, with a change recommended by proxy from Ken, K7YR that the full amount of \$1,500 be pledged by members before club outlay of \$1,500 for repeater. Eliminate any interest payments.

Other Business: Repeater report from Hal, N7NW, on 220 Mhz. Pledges placed in separate account and secret. Handled only by Mike, WB7AYU, Treasurer. John, K7PFR, resigned from board. Dick, W7KCX, elected as replacement for Trustee position No. 5.

Meeting adjourned at 11:45 a.m.

Field Day! Field Day! 1985

The Friday evening gathering will be 8:00 to 9:30 p.m. We will have clams as usual for an appetizer. Bring cheese, crackers, etc. to please your palate to go with our refreshments. We're looking forward to the good company and relaxing after the hard work of antenna raising, etc. Please park your vehicles in the appropriate areas and bring firewood.

We now have a new Park Ranger at Fort Flagler State Park. He has indicated that we are welcome this year and being "new" to our operation he will be observing our FD activity. So let's put our best foot forward for future Field Days at FT. Flagler. Due to the new reservation rules, we will have to pay at the gate as we arrive so reimbursement will have to come at a latter date.

We still need someone to bring up the club trailer.

Again, let's remember the park rules and especially the speed limits and the number of people at each camp site. Sure looking forward to a good time.

Jimmy, WA7LNQ



## ARRL Executive Committee Proposes New Novice Privileges

At its May 18 meeting, the ARRL Executive Committee approved a plan for enhanced privileges for Novice class Amateur Radio operators. The plan was developed by the Hq. staff in response to discussions held at the March 23 Executive Committee meeting. The proposal includes data and voice privileges on a portion of the 10 meter band, all data and voice privileges on 220 MHz, and voice and data privileges on a portion of the 1.2 GHz band.

The Executive Committee believes it is important for ARRL to be in the vanguard of efforts to modernize the Novice license. On a matter as important as this it is essential that the action be by the Board of Directors of the ARRL, and not just by the Executive Committee. Accordingly, Board endorsement of the proposal has been solicited by mail ballot.

The Executive Committee endorsed the following package:

1. Development of a plan to replace the existing worldwide network of 28-MHz beacons between 28.2 and 28.3 MHz with a single-frequency time-sharing network similar to the one that is being operated successfully on 14.1 MHz by the Northern California DX Foundation.

2. Expansion of the existing 28-MHz Novice band as follows:

A. 28.1-28.3 MHz: type A1A, J2A, F1B, and J2B emissions (CW and data, 1200 baud maximum).

B. 28.3-28.5 MHz: type A1A, J2A, and J3E emissions (CW and SSB).

3. 220-225 MHz, all voice and data modes (including CW), 25 watts output, no repeater operation by Novices (i.e., a Novice can operate through a repeater, but cannot sponsor one).

4. Privileges similar to those requested for 220 MHz, but for a portion of the 1240-MHz band consistent with the newly adopted band plan: e.g., 1246-1260 MHz. The power limit would be 5 watts output, to avoid concerns related to RF energy exposure by inexperienced persons.

The idea behind this plan is as follows:

1. To attract young people who are interested in computers and digital communication into Amateur Radio, we must offer them digital privileges. Adding RTTY and packet radio privileges on 10 meters would accomplish this. A suitable band plan can be developed for the band to keep a segment free for conventional, manual Morse code operation. Expanding the 10 meter Novice band, and permitting limited SSB operation, would have minimal impact on other licensees.

2. FCC has indicated that 220 MHz cannot be made available for Novice operation pending completion of a joint long-range study by FCC and NTIA of the 216-225 MHz spectrum. In the meantime, there should be some way found to give Novices some FM/repeater privileges so their numbers can be put to use in performing public service communications. The 1240 MHz band is suggested as the place where this could be accomplished with a minimum of delay, and a minimal disruption of existing operations.

3. At the time these new privileges are added, the Element 2 examination syllabus would be expanded to include basic digital and voice operating techniques. The Novice written examination would be expanded to 30 questions, and the question pool to 300, to accommodate the additional questions.

With these additional privileges, the Novice license would become most attractive to our target audience, without eliminating or even significantly reducing the incentives to upgrade to the higher classes of license and without disrupting the present activities of higher-class licensees. Technicians would also gain the 10 meter privileges granted to Novices.

So as not to reduce the privileges of General, Advanced and Extra Class licensees, the Executive Committee recommended that other licensees be permitted to use the higher power levels permitted by their class of license, even when operating in the Novice bands.

The ARRL Letter, QST and W1AW Bulletins will carry details on the proposal, as they develop.

In addition to enhanced Novice privileges, the EC discussed the following issues:

Dave Sumner, ARRL Executive Vice President, presented a feasibility study concerning ARRL issuance of special call signs. Ray Kowalski of the FCC joined the meeting to discuss the call sign matter from the Commission's perspective. A report will be made to the full Board in July.

The EC discussed Docket 85-22, the repeater coordination docket. The Executive Committee expressed a preference for mandatory coordination of repeaters; for open repeaters having priority over closed repeaters in the coordination process; and for regional coordination in preference to a national coordinator, whether it be an existing organization or an umbrella organization organized for the purpose. Hq. Staff was directed to continue preparation of draft comments on this docket; if the anticipated extension of time for filing comments materializes, the Board will have the opportunity to review the draft at its July meeting.

Docket 85-105, the automatic control proposal was discussed. ARRL comments will reaffirm the League's original proposal in RM-4879, emphasizing that it is desirable for automatic control to be available for third-party communications via digital modes above 29.5 MHz without the same relief to simplex autopatches.

ARRL will file comments in opposition to Docket 85-113, the proposal to allocate 421-430 MHz to the Land Mobile Service in three major cities (see the April 25 issue of the ARRL Letter). The EC believes the proposal is premature at best, since new blocks of spectrum in the 800 MHz range, recently made available to the Land Mobile Service, have not yet been occupied.

The League will file comments in support of the proposal that U.S. amateurs outside the 48 contiguous states (those in the Caribbean) be permitted to use phone in 7075-7100 kHz (PR Docket 85-104).

ARRL Development Manager Bill Lazzaro, N2CF, gave a progress report on the development program. Membership campaigns, youth programs, recruiting results and membership projections were among the topics.

A report on local antenna/RFI matters was presented by ARRL Counsel Chris Imlay, N3AKD. There was a brief progress report on the ARRL request for limited federal preemption of amateur antennas, PRB-1. FCC action on PRB-1 is expected in the next few months.

Great Lakes Division director George Wilson, W4OYI, presented a report on plans for the 1985 ARRL National Convention to be held in Louisville Kentucky, October 4-6.

ARRL Washington Area Coordinator Perry Williams, W1UED, presented a report on the proposed OSCAR 1 commemorative postage stamp. The stamp will again be considered by the Citizens Stamp Advisory Committee at its meeting July 26. The staff will seek support for the idea among prominent citizens in and out of the Government during the next two months.

The next regularly scheduled meeting of the EC will be held on August 24th in Scottsdale, Arizona. Complete minutes of the Executive Committee Meeting will appear in July QST.

#### FCC AMENDS ID RULE AGAIN

In January, the FCC editorially amended Section 97.121 of the amateur rules to clarify that the call sign of another amateur station could be transmitted in some cases — for example, when responding to a general call. David Popkin, W2CC, filed a petition for reconsideration with the FCC, and pointed out that by specifying the circumstances when an amateur station may transmit a call sign not assigned to it, the rule now implies that all other use of another call sign is unauthorized. The Commission agreed: by Order released May 1, the rule was changed again so it now specifies only that an amateur station must not transmit false or deceptive signals, nor for purposes of identifying the station, any call sign which has not been assigned to it. The modifications made to this rule do not change the basic understanding that when one amateur is a guest at another's station, the control operator may simply use his or her own call sign to ID the operations.



### SPREAD SPECTRUM OK FOR AMATEURS

The FCC has authorized spread-spectrum techniques in the Amateur Radio Service. The new rules will permit amateurs to develop, test and operate low-cost spread spectrum systems in the amateur bands above 420 MHz. The Commission said that by removing regulatory barriers to innovation, technical advances in radio technology can be stimulated.

The FCC action will permit amateurs to experiment with, and take advantage of this technology which until now has been almost entirely limited to military applications. The effective date of the new rules will be 12 months after the Report and Order is released. This delay is intended to encourage the amateur community to develop voluntary standards for spread spectrum, as the standards for packet radio were developed. In the interim period, special temporary authorizations will be available to interested amateurs.

In a spread-spectrum system, an information signal is combined with a much wider bandwidth, noise-like signal to yield a transmitted signal that is both broad band and noise-like. At the receiver, a copy of the original "noise" signal is used to derive the information signal. Because the energy of the transmitted signal is dispersed in the spreading process, it is less likely to cause interference in narrow-band receivers than a conventional signal of the same power. Spread spectrum systems were originally developed for military applications where covertness and jam resistance were the main goals.

The FCC said that while this proceeding (Docket 81-414) dealt with only the Amateur Service, the experience gained, especially on the subject of compatibility between spread spectrum systems and conventional narrow-band systems, will be a stimulus to the general radio technology community.

The Commission also approved a limited authorization (Docket 81-413) for spread spectrum use by the Public Safety and Industrial, Scientific and Medical (ISM) Services.

### MALICIOUS INTERFERENCE BILL REINTRODUCED IN THE HOUSE

Representative Jim Bates, D-CA, has introduced a bill, HR-2479, into the House of Representatives which would make malicious interference a statutory offense. The text is very close to that used by Senator Barry Goldwater in his Senate bill, S-86.

Mr. Bates has secured the agreement of 13 other Representatives to co-sponsor the bill: Tim Wirth, D-CO; Jim Slattery, D-KS; W. J. Billy Tauzin, D-LA; Dan Coats, R-IN; Edward J. Markey, D-MA; Mickey Leland, D-TX; John Bryant, D-TX; Henry Waxman, D-CA; Carlos J. Moorhead, R-CA; Howard C. Neilson, R-UT; Denny Smith, R-OR; Bill Dannemeyer, R-CA and Nancy Johnson, R-CT. Other Members of Congress can add their names as co-sponsors at any time. ARRL Letter readers are welcome to suggest co-sponsorship to their Representative. There are two possible courses of action for the bill — hearings could be held on the bill itself, or it could be tacked on to some other communications bill in Congress.

### BOOTLEGGER FINED \$1500

FCC's Langhorne, Pennsylvania District office has fined Ronald Mondgock, of Yardley, Pa., \$1500 for bootlegging on the Delaware Valley Radio Association's repeater. Assisted by local police, members of DVRA (based in Trenton, New Jersey) DFed Mondgock's house as the source of interference to their club repeater. They then notified the FCC Engineer-in-Charge, prompting official FCC involvement and action.

### OSCAR 10 NOW COUNTS FOR SATELLITE DXCC

Contacts made via AMSAT-OSCAR 10 will now be accepted for the Satellite DXCC award. Credit is retroactive to the date OSCAR 10 first became available for contacts. The Satellite DXCC Certificate is a non-endorsable, one-time only award. Applicants must submit forms CD 164 and CD 253. Forms are available from ARRL Hq. for a business-sized s.a.s.e with 39 cents postage affixed.

## Amateur Radio from space this summer

Ham-in-Space planners announce that a frequency of 145.55 MHz will be the primary downlink for the amateur station on Shuttle flight 51 F. Verbal word from NASA/Houston still sets the launch for July 15th, with the first amateur operations coming as early as the second half of day two. Early transmissions from Tony England, WØORE are likely to be slow-scan television rather than 2-way voice. After day three, chances improve for regular contacts.

The limited opportunity for two way contacts will be used to fulfill Tony's primary interest: working youth groups paired with ham clubs. Local Amateur Radio clubs meeting certain guidelines will be able to get a list of special, non-published uplink frequencies to be used for this purpose. Application forms are now available for qualified groups. Requests should be sent to ARRL Hq. in Newington, attention: Ham-in-Space Mission.

At least three shuttle astronauts are expressing an interest in operating the ham station that will be part of flight 51-F. Tony England, WØORE, is still considered the prime operator. Fellow astronaut John David Bartoe, W4NYZ, is also expected to take the microphone for two-way contacts with earth-bound amateurs. Shuttle commander Gordon Fullerton, who used to be a Novice, may also revive his interest in ham radio. All amateur operations will come under Tony's call as we now understand it.

NASA officials say it is important to point out that flight 51-F remains a SPACELAB mission and not an Amateur Radio mission. Shuttle duties always have first priority.

A hectic shuttle workload makes advance scheduling of contacts impossible, so NASA planners are agreeing to announce the status of the amateur station one pass ahead of time. NASA ham clubs will help distribute the information as part of the long-successful effort to retransmit shuttle communications with ground controllers. WIAW and possibly dedicated telephone numbers will be additional sources of information.

### REPEATER COORDINATORS' FORUMS IN DAYTON

Three forums for repeater coordinators were held at the Dayton Hamvention -- two scheduled, and one unscheduled. Approximately 75 people attended.

At the first meeting, the group discussed the question of 20 kHz versus 15 kHz spacing for repeaters. No decisions were reached, but the group got a good idea of the strength of feeling for the two systems in different parts of the country.

The topic of discussion for the second meeting was PR Docket 85-22, the repeater coordination Docket. A short talk by Ray Kowalski, Chief of the FCC's Special Services Division, delineated the repeater coordinator's responsibilities on this issue. Kowalski told the group "Don't be a problem -- if you are, you won't like the solution." It is up to the amateur community to solve the problems of repeater-to-repeater interference. The suggestion that ARRL act as a national frequency coordinator met with enthusiastic disapproval from members of the audience. The coordinators are more likely to move in the direction of a loose confederation of repeater coordinators.

The third, unscheduled meeting was a continuation of the discussion of 85-22, and there was also some discussion of the ARRL proposal to publish a newsletter for repeater coordinators. This proposal was generally well received by coordinators at the meeting, and plans are proceeding for publishing the newsletter, with Steve Mendelsohn, WA2DHF, serving as editor. The group discussed the need for a national database for repeater coordinators, and the possibility of the ARRL maintaining such a database.

### COMMITTEE TO STUDY OSCAR STAMP

The Citizen's Stamp Advisory Committee, which makes recommendations to the Postmaster General concerning issuance of commemorative postage stamps, at its May 10 meeting will consider a stamp marking the 25th anniversary of OSCAR 1. Oscar 1, the first non-Government satellite ever placed in orbit, was launched on December 12, 1961, exactly 60 years after Marconi's first trans-Atlantic experiment and exactly 40 years after the first amateur trans-Atlantic messages got across.

### INDUSTRY FOLLOW-UP MEETING IN DAYTON

About 50 representatives of the Amateur Radio industry gathered at the Imperial House North in Dayton, Ohio, on the Thursday evening prior to the Dayton Hamvention. The purpose of the meeting was to hear progress reports on what had been accomplished since the initial meeting of this informal group in Miami on January 31. For more on the initial meeting, see the February 14 issue of the ARRL Letter.

There was quite a bit of progress to report, and the overwhelming feeling at the conclusion of the meeting was that things are headed in the right direction.

Bill Lazzaro, ARRL Development Manager, reported on plans to run articles and announcements about Amateur Radio in a magazine for Junior High-School teachers.

2000 free tickets to the Rochester Hamfest are being distributed. Each ticket will admit one student and an accompanying adult.

A report was given on the comic book project. An initial run of 100,000 books would cost approximately \$20,000. Initially it would seem best to concentrate on distributing the comic book in those areas where there is an effective follow-through (Special Service Clubs, for example). Several of those present indicated willingness to help fund the project on a matching-fund basis.

A form 610, with a cover letter explaining how to fill it out and providing encouragement to do so, has been mailed to 22,000 people whose amateur licenses expired in 1984. The cost of this mailing was absorbed by the company that volunteered to implement the project.

Statistics from a random-sample mailing to 100 computer magazine subscribers were shared with the group. Of 45 returns (a small sample, but sufficient to provide general results) something in excess of 80% demonstrated a basic knowledge of what Amateur Radio was. Most interesting was that 23% indicated they would be interested in obtaining a license if the test involved just radio theory; 19%, if the test involved both code and theory, or just code; and 28%, if there was no test at all. "Generic ads" will be prepared to reach the potential amateurs in the computer magazine's readers.

The next meeting of the industry representatives was tentatively scheduled for the ARRL Southwestern Division Convention in Long Beach, California the second week of August.

### VEC FORUM AT DAYTON HAMVENTION

The VEC Forum at the Dayton Hamvention was a panel discussion moderated by Dayton Amateur Radio Association's Frank Schwab, W8OK. Representing the VECs were Curt Holsopple, K9CH, of the ARRL, Jim Georgias, W9JUG, of Devry, Fred Maia, W5YI, of the W5YI/VEC and Bill Hulse, W5NI, of PHD. Each gave a general overview of the program he was representing.

The question and answer period concentrated on cheating: how to detect it and what to do about it. The proposed rulemaking to eliminate the public notice requirement was discussed. The audience was generally against the elimination of the public notice requirement because of the security problems it might cause.

Several VEs said that they were working for VECs other than the League but now intend to switch over to the ARRL program. In nearly all cases, they started with another VEC to provide for walk-ins, or because of a shorter lead time in setting up a session. Now that these issues are resolved, the VE Teams in question prefer to be part of the League's program.

### COMING SOON — NEW OPERATING MANUAL!

The completely updated and revised second edition of the popular ARRL Operating Manual has just gone to press, and books will be hitting the streets in early June. Covering everything from DXing to digital, from shortwave listening to satellites, the Operating Manual is your source for contemporary, how-to-do-it operating techniques. The first edition was totally sold out, so don't delay in getting your new copy. Among other things, this new edition provides nuts-and-bolts advice on contesting, DXing, net controlling, talking to OSCAR, gearing up for state-of-the-art RTTY, autopatch and phonepatch guidelines, and much more.

This publication also includes never before published information such as 160-meter frequency allocations around the world, international WARC band (10/18/24 MHz) frequency allocations, international voltage/current requirements by country, and application materials for the Worked All States and Worked All Continents awards. This is just a small sample of what awaits readers of the new Operating Manual. Individual copies are \$5.00 (\$5.50 outside the U.S.), plus \$1.00 postage and handling. See June QST, page 116, for particulars.

MIKE & KEY ROSTER 20 MAY 85

| CALL    | NAME              | DUES PAID TO |
|---------|-------------------|--------------|
|         | DIANNA BECKER     | 86/01        |
|         | ETHEL BROWN       | LIFE         |
| *N7AWW  | ERNIE DAVIS       | 85/12        |
| *W7BUN  | JERRY SELIGMAN    | 86/03        |
| *W7GFW  | JIM STRANG        | 86/01        |
| *WA7GHZ | RALPH CORNELL     | 87/01        |
| *WA7HWX | JAN HEDBERG       | 86/04        |
| *WA7DXN | BOB MCGAHUEY      | 85/05        |
| *WN7NXC | LES JACOBS        | 86/01        |
| K6DOW   | H WAYNE MODDISON  | 86/02        |
| K7CR    | CLAY FRIENWALD    | 85/06        |
| K7GSE   | FRANK REMINGTON   | 86/01        |
| K7KOT   | STEVE TILLET      | 86/01        |
| K7MRH   | WARREN NIXON      | 86/02        |
| K7ND    | JIM CHRISTIANSEN  | 85/07        |
| K7PBT   | DICK GEHRING      | 86/06        |
| K7FFR   | JOHN BECKER       | 86/01        |
| K7PHZ   | JIM CARPENTER     | 86/03        |
| K7FZX   | KEN JACKSON       | 85/09        |
| K7QMI   | TIM SCHNEEBECK    | 86/04        |
| K7WTG   | PETE HEDBERG      | 86/01        |
| K7YR    | KEN RAU           | 86/01        |
| KA7BQY  | BILL KINSINGER    | 86/06        |
| KA7SEH  | TOM PHELAN        | 86/04        |
| KB7LM   | BOB RULIFSON      | 85/12        |
| KB7R    | JOE FANNIN        | 86/02        |
| KB7ZS   | JACK BURRELL      | 86/09        |
| KD7NM   | BOB DONNELL       | 87/02        |
| KH6ITL  | JOE KOENIG        | 86/04        |
| N7AMX   | KARL de JONG      | 86/06        |
| N7AVD   | DEBORAH de JONG   | 86/01        |
| N7BT    | GEORGE BOROSS     | 86/03        |
| N7GVX   | FLOYD BOSWELL     | 86/06        |
| N7NU    | HAL GOODELI       | 87/01        |
| W7JIE   | M.L. GIBSON       | 86/04        |
| W7JWJ   | HARRY LEWIS       | 86/02        |
| W7JWF   | ARNOLD LARSON     | 86/05        |
| W7KCX   | DICK DIETSCH      | 86/01        |
| W7MDCU  | LEN WESTCO        | 85/11        |
| W7PRW   | CARL BUTLER       | 86/01        |
| W7QCV   | HAF KING          | 85/07        |
| W7QGP   | MARY LEWIS        | 86/02        |
| W7VIH   | PAT SHINNERS      | 86/04        |
| W7ZLW   | VERN NELSON       | 86/03        |
| WA7AVC  | GORDON CADY       | 86/11        |
| WA7EBH  | CHARLES STROEHER  | 86/01        |
| WA7EJY  | ARCHIE BRUSH      | 86/01        |
| WA7EKH  | RAY LESLIE        | 87/01        |
| WA7ELI  | LEW RAMBO         | 85/07        |
| WA7HGG  | JOHN REHNSTROM    | 88/01        |
| WA7KBK  | DON REMBAUGH      | 86/01        |
| WA7LNO  | JIMMY SUTTON      | 85/07        |
| WA7MSD  | FAT CARSON        | 85/06        |
| WA7NIW  | DICK RADFORD      | 86/01        |
| WA7RJT  | CHUCK GRAZIER     | 87/01        |
| WA7RJW  | CHRIS HOLT        | 86/01        |
| WA7RWK  | JOE WINTER        |              |
| WA7TAI  | GENE JACOBSON     | 86/01        |
| WA7UEW  | DICK LUNDSTROM    | 86/01        |
| WA7UVJ  | MICHAEL DINKELMAN | 86/05        |
| WA7VEB  | BOB LOSEY         | 86/01        |
| WA7WKT  | ARNIE SKOOG       | 86/01        |
| WB7AYU  | MICHAEL CROSS     | 85/08        |
| WB7DVX  | LINDA HOLT        | 86/01        |
| WB7EMS  | HAL PARIS         | 86/02        |
| WB7OEV  | DEWEY L. HEE      | 86/05        |
| WB7TBR  | VICTOR ZUMBRUNNEN | 86/02        |
| WB7VJA  | PATI SUTTON       | 85/12        |
| WB7WNF  | RALEIGH ELKINS    | 85/12        |