



3

July/August

1989

Young Ladies' Radio League, Inc.

Founded 1939

'1989 YLRL OFFICERS

PRESIDENT

Mary Lou Brown, NM7N, 504 Channel View Dr., Anacortes, WA 98221

VICE-PRESIDENT

Carol Shrader, WI4K, 4744 Thoroughgood Dr., Virginia Beach, VA 23455

SECRETARY

Sue Ludemann, KA6S0C, 6815 Del Monte Ave., Richmond, CA 94805

DISBURSING TREASURER

Carol Noack, KK5L, 4001 Dryden Rd., Port Arthur, TX 77642

RECEIVING TREASURERS

Districts 1 through 4

Jean Chittenden, WA2BGE, RR2, Box 2105, Syosset, NY 11791

Districts 5 through 7

Florence Reitzel, KU7F, 22600 Alpine Dr., Leavenworth, WA 98826

Districts 8 through 9 and KH and AK

Evelyn Cavallo, KC7ET, 2012 E.Lincoln, Apt.106, Bloomington, IL 61701

DISTRICT AND DX CHAIRMEN

Please see their respective District News Section.

CERTIFICATE CUSTODIANS

CONTINUOUS MEMBERSHIP

Jeanette Ellis, NP2C

P.O. Box 24492, Christiansted, St. Croix, V.I. 00824-0492

WAS-YL

Richea Brigance, KU5L, Rt 2, Box 197, Booneville, AR 72927

DX-YL

Phyllis Davis, KA1JC

10/10 to 7/10s 1171 Boyle Terrace, Pt. Charlotte, FL 33981

7/10 to 10/10, P.O. Box 1488 Presque Isle, ME 04769

YLCC

Laura WE7B & Nancy Zitting, WE7D, 61D5 S. 300 East, Murray, UT 84107

DX-YLCC

Martha King, WD4NKP, 1449 Tomota Ct., Mt. Pleasant, SC 29464

WAC-YL

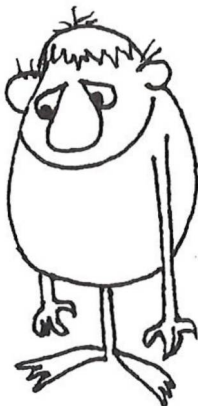
Leanna Shaberly, KB8RT/7, 2635 West Sunrise Dr., Phoenix, AZ 85041

EDITOR/CIRCULATION MANAGER

Jean Kincheloe, K60QD, P.O. Box 1446, Magalia, CA 95954

NEW MEMBER EDITOR

Jeanie Parker, WA6UVF, 26361 Cynthia St., Hemet, CA 92344



I wish to convey my most heartfelt gratitude for the many, many cards, letters and phone calls of appreciation and praise for my work on the Super Directory. It certainly makes me feel that all those hours spent on the endeavor were well worth the effort.

Next I want to add my appreciation to Jean Baptie, W6ZYD for joining us in the job of stuffing and mailing. It made the job easier because it gave me two teams of two to do the job that much faster. At that, it took the better part of a day to get it all done! It

"o<afte -EDITOR" was a big job but it is so much nicer when it is a team effort.

I am very happy to announce that I received a Certificate from the Amateur Radio News Service, giving YL Harmonics a rating of Excellent! Their critique will be most helpful. If I did not have the cooperation of our membership, we would never have received the Certificate.

Now that the Convention is part of YLRL history, we can get on to other things, such as ways to encourage new membership in YLRL as well as retain our current membership.

A new feature, starting in this issue, will be appearing from time to time. I received a letter from Verna, W7JYX, regarding the whereabouts of some of our long time members who have not been heard from in some time. This touched a subject close to my heart. From time to time a YL just sort of drops out of sight (or sound) and it causes one to wonder "What Ever Happened To _____?" So, that will be the title of the new feature. We will have to depend on our members to keep us posted so anyone having any information about any other YLs that are not in this issue, please let us know so the feature may continue. If at all possible, please send their address if they are in a Nursing Home or Convalescent Home. Many of these YLs would enjoy hearing from their old friends so come the holidays, you might consider sending a card to those for whom we are able to list a current address.

Because the amount of space taken up by the material which needed to be printed put us a tiny bit over the 2 oz. limit for postage, we went ahead and used up the rest of that 3rd oz by printing a lot of articles and pictures which had been waiting for space. Please do not expect ALL issues to run these generous proportions, hi!

Until next issue then, 33

The Happy Ogre Editor

CONTEST CALENDAR

YL/OM SUMMER SSB SPRINT

Sat. 8/1/89 from 1800 to 2200 UTC

Logs must be RECEIVED by Sept. 5, 1989

HOWDY DAYS

Wed. 9/8/89 @ 1400 UTC to Fri. 9/8/89 9 0200 UTC

Logs must be RECEIVED by Oct. 9, 1989

YL ANNIVERSARY PARTY

CW: From Wed. 10/11/89 3 1400 UTC to Fri. 10/13/89 9 0200 UTC

SSB: From Wed. 10/25/89 3 1400 UTC to Fri 10/27/89 9 0200 UTC

Logs must be POSTMARKED by Nov. 10, 1989 and RECEIVED by Dec. 1, 1989

YL-OM CONTEST

Phone: Sat. 2/10/90 3 1400 UTC to Mon. 2/12/90 9 0200 UTC

CW: Sat, 2/24/90 9 1400 UTC to Mon. 2/26/90 3 0200 UTC

EAST MEETS WEST SSB CONTEST

March 17, 1990 - 1800 to 2200 UTC

DX YL TO NORTH AMERICAN YL CONTEST

CW: Wed, 4/11/90 9 1400 UTC to Fri, 4/13/90 9 0200 UTC

SSB: Wed, 4/18/90 0 1400 UTC to Fri, 4/20/90 9 0200 UTC

All logs for contests held in 1989 must be sent to the YLRL Vice President, Carol Shrader, WI4K, 4744 Thoroughgood Dr., Virginia Beach, VA 23455. For contests held in 1990, please check Harmonics Magazine for announcement of the new YLRL Vice President for 1990/1991.

XXXIII

YL Harmonics is published by and for the members of the Young Ladies' Radio League, Inc. which is incorporated as a non-profit, philanthropic organization (501)(c)(3) under the laws of the State of California, and is comprised of women amateur radio operators. Dues are \$8.00/year, due and payable March 1, and delinquent March 31. Dues for new and reinstating members joining after August 31 are pro-rated by half the annual dues for that fiscal year. Please add \$2.00 for first class postage, if desired (REQUIRED for VE and XE). In addition, \$6.00 for postage is required for DX members. Dues for a licensed YL "Family Member" (RESIDING AT THE EXACT SAME ADDRESS) are \$2.00; subscriptions for non-members are \$8.00 per year and may not be pro-rated for portions of years.

SUPER DIRECTORY

Copies of the Super Directory are available for \$5.00, postpaid. That will include receiving all of the addenda sheets up to the time when the regular directory will be published as the Sept/Oct issue of 1990. Please send your check or International Postal Money Order, payable to YLRL, to me and I will not only mail you the Directory, I'll put you on the mailing list to receive all of the aforementioned addenda sheets.

Many have sent contributions for the added cost of producing this Super Directory. Their names and calls are listed below. Every contribution helps and is greatly appreciated.

DONORS TO THE SUPER DIRECTORY to June 31, 1989

KOEPE-Marte Wessel KBOZC-Marjorie Tiritilli KAIANF-Joyce Birmingham

| | | |
|-------------------------|--------------------------|--------------------------|
| WB1EHS-Barbara Murnane | WIFOF-Eloise McLean | KAIMKJ-Karen Hart |
| N2FEW-Barbara Axt | KB2HBC-Amy Moses | WB2JCE-Janice Scheuerman |
| WA2NFY-Lia Zwack | WB20HC-Peggy Arciero | W3HSS-Margaret Demeules |
| W3RXJ-Irene Akers | W4BAV-Catherine Soehl | WA4BVD-Carrie Lynch |
| K4IHW-Sylvia Ryder | K4LMB-Ethel Smith | N4QDU-Mildred Fortune |
| WD4SLJ-Velma Ayer | N5BYF-Elenore Odom | K5ECP-Helen Drake |
| WB5GAH-Barbara Humlicek | W5IKC-Lou Lacy | N5ITY-Carolyn Helm |
| K5JGC-Burnette Boyett | KK5L-Carol Noack | KA5ZAL-Evelyn Segars |
| KBDLL-Marcia Rast | WABISY-Myrtle Cunningham | NBNQK-Marge Uallerga |
| KA6NZK-Elizabeth James | N6SUP-Betty Crosno | AA6TK-Kathryn Tucker |
| W6UHA-Maxine Willis | WABUVF-Jeanie Parker | W6YKU-Jackie van de Kamp |
| WB7ECH-Audrey Sparlin | KU7F-Florence Reitzel | N7GLQ-Norma Griffin |
| W7GNV-Lucile Peck | N7LTM-Maxine Yarborough | W70QB-Shirley Tinstman |
| WB7SUQ-Mary Kirk | KC0XZ/7-June Snyder | KD7YB-Joan Upton |
| WA8EBS-Eila Russell | WB8HUC-Marie Dambrosky | KB1TF-Marge Farinet |
| NK8P-Geneal Bailey | KC7ET/9-Evelyn Cavallo | K9QGR-Hazel Cain |
| K9RXK-Ann Arnholt | N09W-Roxann Moss | KA9ZZW-Karen Crull |
| JJICAS-Hiromi Hishiki | | |

With much appreciation from all of us.

XXXIII

Never put off until tomorrow what you can do today — especially if you enjoy it!

YLRL 50TH ANNIVERSARY CONVENTION PRIZE DONORS

I wish to thank the many YL members and YL radio clubs who responded so generously with prizes for the 50th Anniversary Convention. It is with pride that I list them as follows:

| | | |
|------------------------|-----------------------------|-----------------------|
| Arizona Cactus Keys | Floradora YLs | Eila Russell, WA8EBS |
| Am. Radio Relay League | GAYLARK | Louisa Sando, W5RZJ |
| Barry Electronics Inc. | Japan YLRS | SAYLARCS |
| BAYLARCS | Jean Kincheloe, KBOQD | Anny Schwager, DF2SL |
| Buckeye Belles | LAYLRC | Mavis Stafford, VK3KS |
| Ursula Buerger, DL3LS | Betty Marsh, KL7FIW | TANGLE NET |
| Diane Cardell, ZS5DC | MINOW NET | TYLRUN YLs |
| CQ Magazine | Barbara Neiman, KE5ZI | Beverly Welker, W7HPT |
| CHIX ON SIX | Carol Noack, KK5L | WAYLARC |
| CLARA | PENN-JERSEY YLs | WRONE |
| COLORADO YLs | Caroline Petlowany, K8TFR/6 | |

33, Madeline, W2EE0

+++++

WHAT EVER HAPPENED TO?

K9BWJ Mary Alice, 3609 Aster Dr., Sarasota, FL 34233. Same call but lives in area very restricted in antennas.

K9CC0 Lota Peterson, is now a widow and not well. She was a YLRL member many years. Her address is: Crystal Pines Nursing Home, 345 N. Illinois St., Crystal Lake, IL 60014.

K9GJC Bettie Norbury, 515 Carl Schurz Dr., Watertown, WI 53094. DM is "Teen". She wrote that Teen is very dizzy on standing or walking so hasn't totally gotten well since last year's heart by-pass surgery. She has no one to help her get an antenna up so she is off the air now. She mentioned in note that Teen is on some medication they hope will help, but it may only if no side effects develop.

W9MYC Gladys Jones, P.O. Box 530, Rye, NH 03B70. Founded LARK, charter member Grandmother's Club. New call is W1FTA. She has been W1AW perfect CW copy and NCS of LARK CW Net. Gladys has had her problems with arthritis and then a spur on her heel. She fell on 1/9 and broke both legs! She is now out of hospital and in nursing home to recover. OM, Jim has moved into other bed there to help care for her.

K0GZ0/5 Virginia Bush, 4049 Simms Ct. SE, Albuquerque, NM 87108. Member of YLRL since 1957, she now lives with her son Don, K50QM, and his family. Ginny has had several strokes and is no longer able to read or write but her mental faculties are doing fine.

WARNING FOR CONTACT LENS WEARERS

From EAA Canadian Council

An electric arc or electric sparking is a danger to those wearing contact lenses. If a flash is experienced, the microwaves produced dry the fluid between the eye tissues and the contact lenses. This bonds the lens to the cornea. This is painless. You don't know that your eyes have been injured. When you try to remove the contact lens, all or part of the cornea goes with it. The result is instant blindness.

Any activity where a flash or electrical spark could occur is a potential hazard to wearers of contact lenses. Any electrical work, arc/spot welding, radio/TV repair, etc., are prime examples of tasks which require great care. Protect your eyes. Have work glasses of the old style for your electrical work. GOGGLES AFFORD NO PROTECTION WHATSOEVER as the damage is caused by microwaves which will penetrate any safety goggles. If an incident of this type occurs, get to a doctor (ophthalmologist) before you try to remove your contact lenses.

Enjoy your hobby, but be aware of this little-known hazard to your eyesight. Don't join the ranks of handi-hams through ignorance.

XXXIII

THE CW ALL-SCHOOLS NET

28.203 Mhz (+/- QRN)

Every Tuesday and Thursday at 1730 UTC

Under the auspices of the Hudson Division Educational Task Force we invite all schools & youth groups to participate by signing in on a NEW NET! Here is a great opportunity to have your students learn about "ham radio" by actually participating in live QSOs under your careful supervision. All it takes is a transceiver with 10 meter capability, an antenna and your enthusiasm for our hobby. TRY IT - YOU'LL ENJOY!

FOR FURTHER INFORMATION PLEASE CONTACT:

Carole Perry, WB2MGP, IS 72R (718) 698-5757 or at home (718) 761-5733

35 YEARS: W7TGG; W9UXL 25 YEARS: K1NEI; W6NLM
20 YEARS: WA5WGA; NB6A; WAOKVL; DJ9SB; 0H5RZj ZL2LS
15 YEARS: WB5GAH; FE1MLE; ZL3AAB
10 YEARS: W1KYT; NC2Q, WN4WDR; N5AYX; W5YKE; AA6MX? K6TFG; N8AJU;
WDOEDR; KDONP; ZL1BPM
5 YEARS: KA1JHE; NU2V; KM3N; KA5EWJ; WA5JMC; KB6C0H; N6KEZ? WA6PKP;
WB6QMD; KA8CPS; KA8DXX; N8ENW; KD8KU; WD9EYS; DF3AU

#1043 - KB4HBH #1045 - JA3VXH #1047 - HC2RG
#1044 - KB2AUR #1046 - WB7SUQ
ENDORSEMENTS

Please be sure to enclose a stamped, self-addressed envelope with your request.

YL ANNIVERSARY PARTY, 1988 CONTEST RESULTS

SSB Results

Gold Cup NA: VE1BWP—20655
 Gold Cup DX: GOEIX---1944B
 2nd Place: K6KCI—18792
 3rd Place: WD8MEV—17850

CW Results

WD8MEV—2195
 I5UNA----1659
 WD5FQX—1920
 K8DMU-- 1859

CORCORAN AWARD; VE1BWP—22251 HAGER AWARD: CQ2YH- 8655

SSB Scores:

| | | | | | | | |
|---------|--------|--------|-------|--------|-------|--------|------|
| VE7YL | 17472* | WB9MFC | 6099* | JF7TYA | 2754 | W81ARU | 720 |
| WA1UVJ | 16200* | WA8YPY | 6090 | ISOLLJ | 2625* | WA7TLL | 651 |
| KA6S0C | 13728* | WA1WQM | 5712 | SMOHNV | 2552 | DF3BN | 612 |
| W2GLB/7 | 13575* | ZL1ALK | 5376* | JF1WMY | 2460 | WA8EBS | 563 |
| KE5U0 | 12903* | KG5CU | 4950 | WA3HUP | 2436* | PA3ENL | 330* |
| WD5FQX | 11907 | JA1YL | 4752* | WB7SUQ | 2100 | W06X | 270 |
| WE7D | 10241 | 11IEP | 4656* | N40DI | 2067* | N4JFV | 248 |
| K8DMU | 9660* | KD8SC | 3738 | KAOOMX | 1980* | AK3KS | 75 |
| SM5EUU | 9546* | LA2PFA | 3393* | NM7N/5 | 1704 | KB9ANR | 66 |
| GM4YMM | 8048* | VK3CYL | 3315* | NA3H | 1548 | JE1NWB | 33 |
| KU7F | 7809 | DL6KCR | 3150 | WA1JY0 | 1538 | W2PVS | 32 |
| CQ2YH | 7395* | SM5CXC | 2888 | WB1EHS | 1419 | SP2FF | 30* |
| WA2NFY | 7239* | DK6FM | 2884 | NAOV | 1419 | KG5CS | 9 |
| K6DLL | 7137 | OJ1TE | 2880 | DF4ZX | 1283 | KB8BJN | 9 |
| N1FJP | 6477 | AX6DE | 2835 | JA1AEQ | 1134 | N6QWF | 7 |
| DJ6US | 6324* | DK2BBI | 2813* | W8Q0Y | 744 | | |

CW Scores:

| | | | | | | | |
|--------|-------|--------|------|--------|------|--------|-----|
| N2EVZ | 1596* | AX3KS | 936* | WA8YPY | 420* | DL6KCR | 116 |
| VE1BWP | 1596* | DF2SL | 671* | NM7N | 396* | JA1AEQ | 113 |
| KA6S0C | 1566* | JA1YL | 660* | WB7SUQ | 285 | JF1WMY | 90 |
| CQ2YH | 1260* | DJ6US | 612 | F2SQ | 231* | JA7PCH | 32 |
| VE7YL | 1238* | SM5CXC | 512* | W06X | 230 | KE5U0 | 8 |
| WA2NFY | 1046* | | | | | | |

Check logs: G8LY

* Denotes Certificate Winner

My old antenna was a mess

My new one is so neat-----

My old one worked across the world,

My new one across the street!

WARNING!!! THOSE "BARGAIN" NI-CADS

CAUTION! There are many versions of rechargeable nickel-cadmium (Ni-Cad) batteries available on the commercial market. Hams love the rechargeable convenience and high power densities available from Ni-Cad batteries; but, a word of caution is in order.

There are many batteries on the market today, available through chain drug stores and supermarkets as well as franchised electronics outlets. It pays to look carefully on the label of any battery you are tempted to buy. This is especially true of the big D-cells. Many of the D-cells for sale in retail outlets are nothing but C-cells in disguise! You can be very disappointed if the D-cell you thought you bought turns out to be a C-cell in a big case!

There are two ways to find out what you are buying:

° Check the charging current instructions on the cell. A true D-cell calls for about 400 ma of charging current. The C-cell in D-cell clothing calls for about 125ma. (Exact current values vary from source to source, but the ratio of 3:1 will hold for any manufacturer's cells.)

° Compare weights. The D-cell is nearly twice the weight of the C-cell in disguise. Model airplane aficionados have learned that the lure of a lighter weight battery can be devastating when the reduced capacity is considered. If you keep in mind that two of the "bargain" D-cells weigh about as much as one full-size D-cell, you can't go wrong.

Of most importance, though, is the danger which can arise when inappropriate charging rates are used. The C-cell version of a D-cell CANNOT be charged on a true D-cell charger without inducing a significant fire/explosion hazard. Bluntly put, trying to charge a disguised C-cell in a true D-cell charger will destroy the cell and, possibly, the charger. If a true D-cell is charged in a handy home charger, it will be undercharged and lead to frustrations you don't really want. Charging in a mixed string where the C- and D- cells are indiscriminately alternated in a series string on the charger posts will assuredly destroy ALL the cells.

The best advice is to look up the ratings of cells you want to replace, and find new ones which come closest to the ratings of the ones being replaced.

CRIME PREVENTION AND AMATEUR RADIO from Marcy, WA2URE

Approximately 3 1/2 years ago I joined an organization in Rochester known as PAC-TAC (Police and Citizens—Together Against Crime). I first joined this program because of my concern about the crime in my neighborhood. We walk designated neighborhood streets in pairs, carrying police radios so that we can be in contact with the patrol cars or dispatchers if necessary. My comfort with radio communication made it less intimidating for me to use these radios when I first started the program, and many of my partners prefer to let me do the communicating when on patrol. Nevertheless, there is always the fear of making a mistake when reporting an incident. Fortunately, my Navy MARS training in traffic handling and experience in calling 911 on local repeaters have provided me with valuable knowledge in this area. Needless to say, we do not go out on the streets without some training. Part of this process involves riding in a patrol car with an officer, which has given me a considerable amount of insight into their duties and the potentially dangerous situations they face every time they are on patrol. The main focus of this program is crime prevention. As amateur radio operators, we all possess a certain amount of valuable (and sometimes irreplaceable) equipment. With the onset of warmer weather comes an increase in the number of burglaries, and we all need to be more careful to provide adequate security for our treasured radio equipment.

At this time I would like to offer some crime prevention reminders that all hams should be aware of. Antennas on houses and cars are an indication that there may be some valuable items inside. Security should include such precautions as keeping doors & windows locked at nighttime and when away from home. Doors with large windows should have double cylinder deadbolt locks which require a key to open so someone cannot break a window and unlatch the door. In the warmer wx care should be taken not to leave doors and windows open when away from the house. When leaving for vacation, it is a good idea to have mail and newspaper delivery stopped for the duration or arrange for someone to pick them up on a daily basis so as not to alert a would-be burglar to an empty house. Timers on lamps as well as outside lighting have proven to be deterrents to burglars. When travelling with your equipment, car doors should be locked when left and as much as possible, valuable items should be stored out of sight. It is also a good idea to maintain a file with manufacturer's serial numbers as well as pictures of equipment. Many police departments have equipment for engraving identification numbers on equipment.

I hope some of you will find this information useful to you.

FERRITE BEADS FOR RFI

RFI and TVI have been with us for a long time. Now we have microwave ovens, VCRs and many other devices that do wrong things when they pick up RF.

There are several ways to tackle the problem but most of them involve opening the affected equipment and adding suppressor capacitors, filters, and other circuit modifications. Unfortunately there is a serious disadvantage associated with the approach. Any modifications made to domestic entertainment equipment can—and often are—blamed for later problems that arise in it. Modifying your own equipment is not so bad, but taking a soldering iron to your neighbor's stereo is risky (and not recommended).

An alternative approach is to use ferrite beads to reduce the amount of RF entering the equipment. If the equipment is in a metal box (or even if it's in a plastic box) if RF is prevented from entering the box on the antenna lead, the power cable, the speaker leads, the phono pickup leads, and on any other wires entering the box, it is possible to solve the problem without any modification to the equipment. Ferrite beads just slip over the wires and stop RF from going in.

Ferrite beads are made of the same materials as the toroid cores used in broadband transformers but are used at much higher frequencies. For example, ferrite Mix 43 is used for tuned circuits in the frequency range .01 to 1. MHz. It is efficient and losses are low. But, if it is used in the 40-200 MHz range it is lossy. So when you slip a bead of Mix 43 over a wire and there is RF in the 40-200 MHz range going down the wire, it is just as though you put a resistor in the wire. But you did not have to cut the wire to insert a resistor; you just slip a bead over the wire. If the resistance of one bead is not enough, you can add more beads or add longer beads to get more resistance. The beads, unlike a resistor, do not affect the wire at low frequencies so the audio, DC, and other low frequency components go through the wire just as though the bead were not there.

Below 40 MHz material 73 is best. Above 40 MHz material 64 is best. For overall performance from 1-1000 MHz material 43 is the best choice.

It is important to remember that the frequencies mentioned are those of the interfering signals to be eliminated; not the operating frequencies of the equipment being protected. For examples To protect a telephone operating at voice frequencies of .002 MHz we use type 43 or 73 beads to keep 14 MHz RF out. So when you buy beads you must specify both the physical size and the material, depending on the frequency of the RFI.

This is all fine for individual wires but in many cases you are going to find two wire speaker cables, two wire or three wire power cables, twinlead antenna cable, and multi-wire control cables. Cable wires are close together and act just like a single wire as far as RF pickup is concerned; so, the whole cable can go through the bead and this will suppress RF transmission through all the cable wires. This is a lot easier than putting beads on each wire!

Twinlead is a special case. If you put a bead on each wire, you'll kill the TV signal. But if the whole twinlead goes through a single bead, the TV signal goes on through but the RFI is suppressed by the bead. This is because the twinlead is a transmission line to the TV signal but looks like a single wire to the RFI.

Then there is coaxial cable. The signal going through the coax is confined to the inside of the coax shield; but the outside of the shield acts just like any wire—it can pick up RF and that RF can be carried to the TV or monitor. Shield beads placed over the cable will suppress this interference.

Now you may find that slipping beads over coaxial cable and multi-wire cable requires a pretty big hole. Also, if the cable has a molded plug on the end, the plug has to go through the hole and you may need a very big hole indeed! Fortunately there is a variety of ferrite toroid cores available with holes as big as 1/4" diameter. They are not available in all the same materials as beads but in similar ones. Mix 77 is the best below 40 MHz; mix 43 can be used from 1-1000 MHz and is the best from 30-150 MHz; mix 61 is best above 200 MHz.

After you put that big plug through the big hole in the toroid, you'll find that the toroid fits the cable very loosely. Don't worry, it will still work fine. If there is room to do it, loop the cable around and run it through the toroid again—each turn is just like adding another toroid. If you are using the big Mix 671 core, you will be adding an inductive choke where two turns is four times as good as one turn, etc.

There are now available split beads that have been cut in half. You put the two halves over the cable and wrap them with tape to hold them together. It is important that the two halves fit exactly together, so the hole beads cannot be used for cables larger than 1/2". It does not matter if the cable is smaller than the hole. All split beads now available are of 43 material which is the best overall material for 1-1000 MHz interference suppression.

The standard telephone is highly susceptible to RFI (as Ellie, N5BYF can tell you!). The telephone wiring in the house and outside on poles make a large receiving antenna. In the telephone instrument are

voltage-variable resistors that act like detector diodes so nearby radio stations are clearly heard. The solution is to keep RF out of the telephone by putting ferrite beads on the telephone cable as it enters the instrument.

So far the discussion has had to do with keeping RF OUT of equipment. How about keeping RF IN? You can use beads and toroids there too. The fish tank heater that makes a lot of noise on 75 meters is using its power cord and the house power wiring to radiate interference. A bead or toroid on the power cord right at the heater can keep the noise from entering the wiring. Computer power cords and connecting cables can be treated in the same manner. Sometimes RF comes out of a transceiver's power cable—a toroid can stop it. If RF is flowing on the outside of the antenna cable, going right around your lowpass filter, toroids may solve the problem.

Each interference problem is different. You have to try this and then try that, until you find a solution; and ferrite beads and toroids may be helpful.

XXX

HJEDDING ANNIVERSARIES

Kgns to Jean, W6ZYD, and Boyde, W6AMQ, on their 49th Anniversary, and to Ursula, DL3LS and Heinz, DL1RA, on their 50th Anniversary!

UPGRADES

W3HSS, Margaret, to Advanced
 KM4IH, Sharon, to Extra
 AB4NV, Sandy, to Extra
 KB4SSS, Ann, now Advanced, soon to be Extra
 KB7ADX, Carol, to General
 KB7DNK, Kathy, to General
 KA8JVL, Betty to Advanced

The "Grand Dame of Amateur Radio" Is Gone

It is not the general practice to include full obituaries in YLH as there are so many and there is always the fear that someone would be omitted but Liz Zandonini, W3CDQ, was a very special lady. She became a Silent Key on May 16 at the age of 90, after a valiant fight with cancer. She had become known and loved around the world as a result of her 67 years of almost daily operating on the air—all on CW—and on a hand key—no "bugs" for Liz! Liz obtained her commercial license in 1917 and her amateur license in 1922. She had hoped to become a ship's operator; instead, she wound up teaching code to hospitalized veterans at Fort Meade & Fort McHenry.

In 1921 she went to work in the radio section of the National Bureau of Standards and worked in the Central Radio Propagation Laboratory and at WWV until they moved to Colorado. She then transferred to the Radio-activity Section and was there until her retirement in 1965, after 44 years of service.

Active in a number of ham organizations, Liz received numerous awards and recognitions over the years. She was an Assistant Director of ARRL for many years, up until the time of her death. She joined YLRL in 1940 and served as 3rd D/C in 1951, '52, '57, '61, '66; Vice President in 1943/44; and President in 1944/45. Whenever Liz was called upon, she was always there. She was also an active member of QCWA, Washington, D.C. Chapter QCWA, OOTC, AWA, Rock Creek ARA, WAYLARC.

The Radio community has lost one of its great pioneers; but, the memory of Liz Zandonini will live on in the memories and the hearts of her thousands of friends throughout the world. 33, Liz AR

CONDOLENCES TO:

WA1UVJ, Karla, whose Brother in Germany recently died.

W5MWK, Joyce, who lost her Mother early this year

N8BFI, Marilyn, whose Mother-in-Law recently passed on.

KE8KH, Pat, who recently lost her Mother.

WB8NKL, Jean, whose OM Joe, WB8NKK passed away on Dec. 3rd.

KL7JAR, Sandi, on the death of her Mother

NP2C, Jeanette, on the death of a dear Uncle

DL3YBV, Karin, on the death of her Father May 21

GMOBEL, Jill, on the loss of her Mother

IN MEMORIAL

It is with great regret that we report the loss of the following YLs and send our sympathies to their families and friends:

KAI INK, Eleanor Pingree, June 16, 1989

W3CDQ, Liz Zandonini, May 16, 1989

W5DCB, Dotty James, February 8, 1989

+++++4+++++*b+++++H+++++

COMING IN SEPTEMBER/OCTDBER ISSUE

Hopefully, we will have some nice reports and a lot of GOOD pictures from the Convention in Hawaii to take up a good deal of YLH. So, please try to keep your District News at a minimum so we may have plenty of room to get all these "goodies" included. If you cover something that is already covered by someone's report, it will be edited out of the District News so we may have a clear report of what all went on at the Convention.

The results of the election for next year's officers will be announced in the Sept/Oct issue.

Sorry there was no message from the President this issue—I guess she is still in Hawaii or on another DXpedition, hi! Or it just didn't get here in time.

FLASH! Just at "press time" we learned the outcome of the drawing for the quilts—well some of it, anyway. The Hawaiian quilt was won by a YL from Colorado, Nancy Muth, no call. However, the Japanese YLs donated a beautiful quilt that they had made to be raffled off at the Convention and it was won by that lucky YL, Elizabeth James, KA6NZK! Congratulations, Betty.

Statement of Changes in Cash-----Three Months ended March 31, 1989

| | Ckng and Money Mkt Accounts | Schol- arship Fund | Pres. Travel Fund | Con- vention Fund | Total |
|------------------------|-----------------------------------|--------------------------|-------------------------|-------------------------|--------------------|
| Bal, 1/1/89 | \$14,830.78 | \$10,094.52 | \$353.70 | \$4,799.72 | \$30,078.72 |
| CASH RECEIPTS | | | | | |
| Conv.Regis. | \$ — | \$ — | — | \$11,082.70 | \$11,082.70 |
| Donat.Schol.Fnd | | 348.00 | — | — | 348.00 |
| Donat-YLRL | 31.00 | — | — | — | 31.00 |
| Dues | 7,473.00 | — | — | — | 7,473.00 |
| 50th Anniv.Awrd | 69.00 | — | — | — | 69.00 |
| Interest Income | 247.49 | 216.47 | 4.67 | 124.68 | 593.31 |
| Postage | 1,377.00 | — | — | — | 1,377.00 |
| Quilt Tickets | — | — | — | 305.00 | 305.00 |
| Sales of Supplies | 85.25 | — | — | — | 85.25 |
| Subscr.—YLH | 40.00 | — | — | — | 40.00 |
| TOTAL CASH REC. | \$ 9,322.74 | \$ 564.47 | \$ 4.67 | \$11,522.38 | \$21,414.26 |

CASH DISBURSEMENTS:

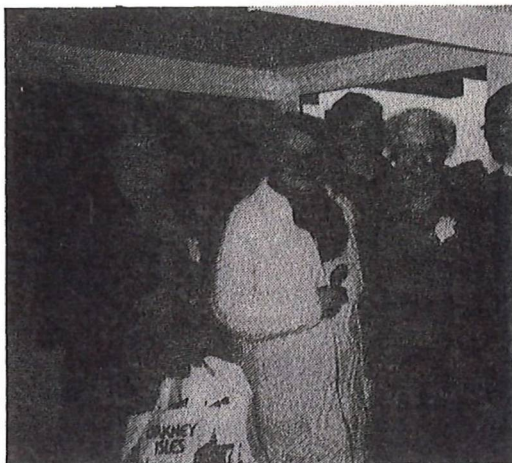
| | | | | | |
|-------------------------|-------------------|-------------|-------------|------------------|--------------------|
| YLH-Printing | \$ 1,965.44 | \$ — | \$ — | — | \$ 1,965.44 |
| YLH-Circulation | 1,323.08 | — | — | — | 1,323.08 |
| Pres.Expense | 50.92 | — | — | — | 50.92 |
| Dist. Chairmen | 24.30 | — | — | — | 24.30 |
| Membership Chairmen | 166.59 | — | — | — | 166.59 |
| Receiving Treasurers | 180.88 | — | — | — | 180.88 |
| Supplies Chairman | 89.20 | — | — | — | 89.20 |
| Bank Charges | 8.00 | — | — | — | 8.00 |
| Convention Expense | — | — | — | 33.55 | 33.55 |
| Conv.Reg.Refund | — | — | — | 115.00 | 115.00 |
| 50th Anniv.Award | 68.25 | — | — | — | 68.25 |
| 50th Anniv.Souv. | 1,713.00 | — | — | — | 1,713.00 |
| Refunds | 42.00 | — | — | — | 42.00 |
| YLCC Expense | 25.98 | — | — | — | 25.98 |
| TOTAL CASH DISB. | \$5,657.64 | \$ — | \$ — | \$ 148.55 | \$ 5,806.19 |

| | | | | | |
|------------------|-------------|-------------|----------|-------------|-------------|
| Balance, 3/31/89 | \$18,495.88 | \$10,658.99 | \$358.37 | \$16,173.55 | \$45,686.79 |
|------------------|-------------|-------------|----------|-------------|-------------|

Scholarship Fund Donations: W6MFP; Buckeye Belles; K4LMB; W5IKC; WA2NFY; KK5L; HAWKS in memory of Margaret, WA9YIF; From No.Cc.S.D. YLs & W6MFP in memory of Clara, W6TDL. From WB5FGM in memory of the mother of Joyce, W5MWK



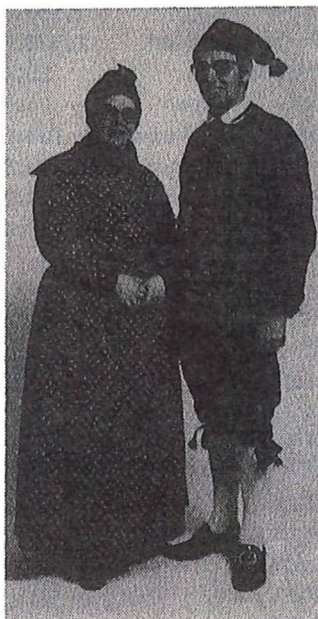
Having fun at at the 15-YL Luncheon in Medford, OR was Betty, N7DRP



70th Anniv. Celebration of the Women's Rural Institute (GB4WR GMOERM, Margaret; GM4VUL, Nan; GM6W0E, Inga; Pres. Miss McMil GM4YMM, Christine; GM1FAF, Jan



JJI CAS, JF1WMY, JH1IZM, VP of JLRS JA1EYL, President of JLRS



0Z1DXX and 0Z10KG in their folk dancing costumes made by 0Z10XX



:)

.an;
itte



Super Directory Stuffer Society, starting at lower left and going clockwise are Betty, KA6NZK; Jean, W6ZYD; Jackie, WBYKU; Jean, K60QD; and Alta, KB6CGP



15-YLs at Medford, OR Front 1-r: KD7YB, K60LL, K8TFR/B; KB6CGP; W6YKU; KA7MZZ; KB6GB; K60QD; KA7LYO; and WB7EZI. Back 1-r: KA7SPZ; N7LTR; UJB6H0J; KA6NZK; NM7N; K1IIF/7; KU7F; KA70FM; WBCEE; and W6ZYD

DISTRICT NEWS



Anne Manna, WB1ARU, B14 Webster St., Hanover, MA 02339

Aloha from the Convention! It has been a wonderful time. I wish that all of you could have been here to enjoy the fellowship of close to 1.50 YLs and their guests. Those attending from 1-land were WA1UVJ, Karla and OM Jerry, WA1UVI; WA1WQM, Kit and OKI Bob, WA1KH; Cy, WA1YFG and daughters Judy & Sue; and Anne, WB1ARU and OKI Tony, WAI ENO and son Robert. Former 1-lander, AD1P/3, Carol was also present.

WRONE sent a beautiful silver Revere bowl which was won by Doris, K5BNQ, a past president of YLRL, who served with Onie, WIZEN and Blanche, W4GXZ in 1961.

The IB flower Hawaiian quilt, which WB1API, Rita helped to make, was absolutely lovely, It helped the Scholarship Fund a great deal, as did the \$150. check presented from WRONE by Anne, WB1ARLI, WRDNE President.

WRONE had a lovely Spring meeting in Flay in Walpole, NH. The raffle for the mini HT was won by Mary, K1JNF1.

Blanche, W4GXZ, and OKI Wes, W4C0W, went to TX in June for the ARRL Diamond Jubilee Convention and the QCWA Board meeting. They had a wonderful time visiting many old and new friends in Dallas, Irving and later in Arkansas.

Vera, WA1JY0, is looking for a YL in Austin, TX with whom she could make a sked since her granddaughter has recently moved there.

Maine YLs are busy with summer hamfests and would love to see more YLs up there.

Barb, WB1EHS, has permanently moved to Maine, dividing her time between Sorrento and Swans Island.

Send me news of your summer activities!

33, Anne



Billie Robinson, WB2FNF, 270 Palmer Rd., Churchville, NY 144

The Rochester Hamfest is now a memory. It was a beautiful day and we enjoyed getting together with the 2-land gals. During the course of the meeting, we heard a report from Cathy, VE3GJH about the Girl Guides

Program in Ham Radio during which they are introduced to Amateur Radio and encouraged to study for their licenses. They earn badges & recognition. They are planning a special event possibly next February. I feel this is an exciting project and hope it will spread to our American Girl Scouts.

Lia, WA2NFY, received //I YLRL Anniversary Award before the end of January. Nice going Lia.

Lee, WA2YEK, worked on the Rochester Hamfest Committee again this year. She coordinates the activities for the YLs attending.

Minerva, WB2JNL, is justifiably proud of her grandson Frank who just won his third state wrestling championship in New York state and for being Ualedictorian of his class with a 97.9 GPA.

Elsie, KA2ESQ, has been working very hard to earn her college degree. She is looking for a school closer to home—the 75 mile trip one way has been hard and did not leave her much time for Ham Radio, but she did manage to check into the SAYLARC net a few times from the school station.

Miriam, KB2AUR, is involved with the blood drive at West Point at the end of August.

Catch up to Marcy, WA2URE, if you can! "I have been busy setting of Navy MARS displays at the local hamfests and have had the opportunity to use the YLRL Convention Kit to promote YLRL as well. For one of Marcy's other projects, please read the article on page 9.

As certificate Manager for SAYLARC I was pleased to receive a "log" from Phyllis, W2GLB, who now lives in Mesa, AZ for which I was her #4 contact! To earn the certificate, outside the 2-call area you only need 10 contacts and \$2.00. My address is shown above.

Since I was not trying too hard, I was very surprised and pleased to learn I had placed second in the YL class in the January Contest. Helen, WA2YPT, won top honors.

Ken and I just returned from a week in Canada and I spoke to several YLs both in Canada and the US.

33, Billie



Sylvia Soble, W3SLF, 9357 Hoff St., Philadelphia, PA 19115

Kgns and our sincere appreciation to Jean, K60QD, editor of YLH, for her dedication & outstanding efforts in putting together the 50th Anniversary Directory of YLRL.

Many tnx to JoAn WA2ICE, for her beautiful article on her DXpedition

to Little Cayman. She attempts to get on the air on 10 meters, mornings before a CAP net at 0900L (now 1400Z) & occasionally checks into DX nets on 15 or 20. JoAn now has 239 countries worked with 228 confirmed & is currently working for 5BDXCC, which she thinks will take her forever because of her more casual type of operation!

Julia Grimm, WB3IQD, reports that as a working ham she is not able to get on the air as much as she would like. Julia is the postmistress in Siegle, PA and keeps busy with civic activities. However, she is active on 2 meter nets and keeps up her membership in local ham clubs.

Zeta, WA3FWI, just isn't able to make the airwaves these days. A volunteer clerk at their local library in Belle Vernon, PA and also President of the B of O there, fills in some of her time. She does look forward to receiving YLH & reading about the activities of the YLs.

Kathy, KD3LU (former KA3IQM) has changed her QTH from Townsend DE to New Castle, DE. Because of her move she will not be on the air for awhile. She has had to have much remodeling done to her new home to accommodate her wheelchair. When that is completed perhaps then the new antenna system will be erected.

The PJYLs manage to get together at luncheon meetings to keep the club active. Due to circumstances their 2 meter daily net is being missed. KA3FRG, Jane, is now in a nursing home. To date she has been unable to use her HT because of the routine. We are hoping it won't be too long before we will hear her again.

Edith, W3AAU/7, is enjoying her move to Sun CityWest in AZ. She is busy with her local rado club, computer club and is now part of the Sheriff Posse - a town watch group. In training, she has been certified for CPR, and has had sessions in dispatching, Police car procedure, and traffic control. All this & a yellow jump-suit uniform!

Carol, AD1P, is upset because she is the only YL from PA who will be attending the Convention in Kauai.

From North Irwin, PA, Aggie, NA3H, writes that she enjoys chasing DX. Since 10 meters is open, she is meeting old 10/10 friends. She is now working on the 75th Jubilee Certificate. Though her retired ON is not a ham, Aggie keeps hoping.

Tnx for the news gals,

33, Sylvia



Dot Beam, N4DTC, 385 Fontaine Road, Box 488, Mableton, GA 30059

Everyone has been so busy lately, myself included, that news is

scarce for this issue.

We are so proud of many of our local girls that have been on a roll and have upgraded. Please see the "Upgrades" section.

Jeanette, NP2C, (W04U) was back in town a couple months ago for the funeral of an uncle. We wish it could have been under better circumstances, but several of the girls had a nice visit with her. We are looking forward to a "fun" visit when she comes back from the Atlanta Hamfest.

Several of our MALARC members got together for a covered dish dinner at the home of Sharon, KM4IH for the YL-OM contest. A good time was had by all, and a lot of good contacts were made.

I have found it necessary to rearrange my schedule somewhat and have been out of town quite a bit for the last few months. My 90 year old father has moved in with my sister in North Carolina and since he can not make the trip to Georgia we have been going up there every few weeks. He fell and hurt his back very badly but is on the mend again so everything is looking good.

We have thought of you girls that are convention bound and would love to have joined you, but it wasn't possible at this time. Two of our local girls, Ann, KB4SSS and Ginny, KA4DDQ will be there. I am looking forward to meeting a lot of you girls—maybe the next convention.

See you again in the fall.

33, Dot



Ellie Odom, N5BYF, 1416 Autumn Oaks Dr., Jackson, MS 39211

Hi All! Many of you LUCKY ONES are in Hawaii right now. Wish I could be there with you.

Thanks to pretty Linda, AA5GS from Okla. City for the splendid photo & letter. She has been Secretary at Tinker AFB for 25 years as well as the Okl. City Air Logistics Center. Novice in Feb. to Extra by the end of April '88. Made over 800 contacts, 60% CW during her first year as Ham. OM Rick, KG5GD, a corporate pilot and a Ham since 1957.

Carol, KK5L had a QSO with Russian Cosmonaut Alexander in space station U4MIR. Wow, did you get a QL card yet? I know you will frame that one. Glad you were at the Baton Rouge Hamfest to represent YLRL. The girls there appreciated and enjoyed your presentation. Thanks gal!

A busy year for Maureen, N5FFB started with KE5QS, daughter Laura's wedding to Rick in March. Oh yes, Rick is now studying for his license

too, right? Son Frank, N5FHQ is back home from Army Reserve training and works in Dallas, TX. We wish you much success in getting your children's novel published, Maureen; keep us informed, will you?

Linda, WD5FMP gave a talk on "Nets" at Ham-Con June 3rd and did great. TYLRUN sponsored a Hospitality Room there. Kay, WAOWDF spoke about YLRL and Mary, WB5DVA on how to get youngsters interested in Amateur Radio. This is good, ladies!

KG5CS, Diane received Scholarship Cert, for algebra & advanced biology and all "A"s for the year! She traveled to CA with Mom Darleen, WD5FQX and Dad, Joe WD5HIL to help celebrate Granddad's B5th birthday in June. They were heard mobile from AR to CA on their new TS 140S. Darleen and Diane leave on their summer trip June 27th to France, Italy and a cruise to Lipari Is., Taormina, Corfu & Dubrovnic.

KA50NE, Betty was instrumental in arranging radio communications and volunteer personnel for the Fordyce Bath House Grand Opening in Hot Sprins, AR. Thanks for again proving that Hams do more than cause RFI Betty. (The latter is a very sore subject with me you know — EL)

Kelen, KB5FZQ advises that the "Louisiana Capitol City Women's ARA" in Baton Rouge, LA has taken off! Don't know names of officers, etc. yet—they are still busy getting organized. For now, a 2 meter net once a week is planned. All of the YLs in this new Club hope to join YLRL. Our kgns to you all - keep up the good work. (I knew you would do it Helen! - El)

Joyce, W5MWK's year started on a sad note due to the loss of her Mother. OM Jim W5MW0 is now retired and it looks like some traveling is ahead. A highlight will be the trip to Washington, DC in Sept, when a new grandbaby is expected there. Daughter-in-law Christine attended a Tea at the White House June 16th, meeting First Lady Barbara Bush & Mrs. Quail. How exciting! Joyce enjoyed attending Ham-Com, seeing many friends and making new ones such as 11-yr old Jennifer, KB5JJI who had just become licensed and was given a special welcome by the TYLRUN YLs.

Thanks for the news girls! I'm expecting my Cousin Christi from DL in July; early August. I will be mobile for two weeks. Still "safely" operate in the AMs, 12:00 to 15:00 on 14.332 and whenever I can take the time during the week provided the car next door is gone. Miss the voices of TYLRUN and Open House and Tangle nets. Hope all of you are well and having a great summer.



Jean Baptie, WBZYD, 14047 Magnolia Dr., Magalia, Cfl 95954

The gathering of twenty-five YLs, fifteen OMs and three guests on May 5, 6, 1989, at the Red Lion Inn in Medford, OR was a huge success. Many arrived on Friday and twenty-one had dinner together—a chance to become better acquainted and have a great rag chew.

Saturday morning, Judy, KA70FM and OM Bill, W7QMU, took several of us on a tour of Ashland, OR, the Shakesperian Festival City. Beautiful flowers, Japanese garden and on the way back a stop at Harry & David's, a fabulous outlet at Medford for the Bear Creek Orchards. Items ranging from flowers, vegetables and fruits to delectable nut concoctions, cakes etc. Very hard to get away without purchasing many goodies.

The luncheon was held at 1 PM with Jean Kincheloe, KBOQD, presiding. The food was delicious, plenty of it and beautifully served. Many thanks to Jean for making all the arrangements.

lile were honored to have YLRL President, Mary Lou, NM7N and also three past Presidents, Jackie, WBYKU, Vada, W6CEE, and Jean, KBOQD (who is also YLH Editor/Publisher) as well as Flo, KU7F, Receiving Treasurer H2, Patsy, KA7MZZ, 7th D/C, and Jean W6ZYD, Bth D/C. For the first time the 1-5 YLs had a short program at the luncheon. Bill Shrader, W7QMU, spoke to us on "Packet Radio." It was very interesting, especially to those of us who are not too familiar with this form of communications.

Also, for the first time we had door prizes! A US Call Book was won by Joan, KD7YB; a book "Gateway to Packet Radio" was won by Jean, W6ZYD; two fancy pillows won by Lee, WB7EZI. Three subscriptions to World Radio were won by other guests. The next 1-5 YL Luncheon will be held Oct. 28th, 1989 at the Red Lion Inn in Redding, CA. Mark your calendars, Gals! It's worth attending.

ATTENTION !!!

AT the 1-5 YL Luncheon, Jean, KBOQD, announced that plans for a "mini-convention" to be held in Reno, NV in October of 1990 are underway. You will be hearing more by letter at a later date.

Tidbits from Ironing Board Net: —WBOSL, Helen was in hospital in Chula Vista for 2 weeks. She is home and feeling better, enjoys her cats and feeding the birds. —WBNLM, Beulah, had an aneurism in her head. Fortunately no surgery was required. She is home & doing fine.—W6PCR, Louise, has dialysis three times a week, 3 hours at a time, which curtails her outside activities a great deal. We extend our goad wishes to these YLs and any others who are ill that we don't know about.

W6CEE, Vada, had a very nice visit in Southern Calif., attending a meeting of the LAYLRC and visiting friends in 29 Palms. Vada and Lee were guests of Maxine, W6UHA. —Roxie, K6ELO, has been on R & R with Maxine, WABAOE, on Catalina Island. Lucky girl, Roxie. —WA6QKC, Joan, went to Portland, OR to attend the graduation of her grandson. —Jeanne, WA6UVF, sailed to Hawaii to attend YLRL Convention with Betty, KL7FJW and her OM Ralph, KL7FHN, on their 38' Nantucket Sailer. A wonderful time was had by all. —KA6S0C, Sue had her sister Sally and nephew Matty with her several times this spring and summer. So good to hear that nephew Matty is doing fine. —K6KCI, Irma hosted the LA YL Club at her home recently. —WA6ISY, Myrtle is a volunteer on the Queen Mary and operates W6R0. —W6ZYD, Jean is busy as usual, son Bob is not doing well with the cancer. Jean and OM Boyde had a nice trip to Los Angeles to visit daughter and San Diego to visit friends and "hams" to celebrate their 49th Anniversary. On the way home they spent a few days with son Bob in Bishop, CA.

After a great visit by sons John, KL7HBV, and Marty, WA6GUT, along with newly licensed grandson David, KB5JCP, Alta, KB6CGP, was off on a trip to Dodge City, KS to visit her brother and his family, then to Cleveland, OH to visit their sister. Will be sorry to miss GEARS Field Day station in beautiful downtown Magaliat

A big thank-you to Jean, K60QD, for our beautiful 50th Anniversary Super Directory. It has been of invaluable help to me already!

33 to all, Jean



Patsy Barmore, KA7MZZ, P.O. Box 459, Sandy, DR, 97055

Hi Gals. Well, I must say that I got my new directory and it is smashing. I just love it. The cover is just great, not to speak of all the work that went on inside. Many thanks to Jean for all the work and to Bill for being the Guy he is for putting up with all this craziness.

The 1-5 YLs met at Medford May 6th. Boy what a nice turn out. Over 40 attended the luncheon. We gathered for dinner the night before for our evening meal. After dinner, two beautiful heart-shaped cakes were brought out for a surprise celebration of KA7MZZ, Patsy and KE7CR, John's 35th Wedding Anniversary and KU7F, Flo and KU7E Irv's 31st Wedding Anniversary. WDW what a great surprise. Thank you all very much from all four of us.

Our thanks to Judy Shrader, KA7DFM, for suggesting the Red Lion Inn for the luncheon and also for providing transportation to the many

interesting sites around the Medford area. Thanks to Bill Shrader, W7QMU, for providing the enjoyable talk about Packet Radio. Attending were Jean, KBOQD & Bill, K6OQC; Vada, WBCEE Lee, K6IVD & Vada's sister Opal? Alta, KBBCGP; Marcia, KBDLL; Mary Lou King, KB6GB; Avalon, KB6H0J; Gerri AA6IC & friend Irv, WBOMR; Ruth, WBLXL; Elizabeth, KA6NZK & Milt, KABNZJ; Carolyn KBTFR/B, Bill KV6H & daughter; Jackie, W6YKU & Van, WBCKY? Jean, WBZYD & Boyde, WBAMQ; Betty, N7DRP; Lee WB7EZI & Russ, WA3FBU; Flo, KU7F & Irv, KU7E; Ruth, K1IIF/7 & Jack, W1PRT; Frieda, N7LTR & Bill, KC7W0; Henny, KA7LY0; Mary Lou, NM7N; Judy, KA70FM & Bill, W7QMU; Martha, KA7SPZ & Elmer; Lois, NX7V; Joan, KD7YB & lippy N7FLE; Patsy, KA7MZZ & John KE7CR.

I am now making plans for the trip to Sea Pac. We bought a camper so this year we will be in our own place. No more big motel prices! I will have a YLRL table again this year. I feel so lucky because I will have so much help this year.

Phyllis, W2GLB, sends news from the Cactus Keys meeting. Ski Crogan, KA7QEH, showed the White Buffalo Man we are sending to the Convention in Hawaii. Phyllis, K7SEC, from Tucson complimented Ski on the doll. Howard and Phyllis are planning a real nice camping trip around the states. Sounds like a lot of fun, Phyllis.

There were a lot of new people attending the meeting this month, Marge, K1Y CZ, presided over the meeting in the absence of Norma N7GLQ, our President. Norma sent her greetings and apologies but this date had been set for another meeting. Pictures of Norma's son Peter were passed around.

I am hoping for nice boating weather this summer, hi! Thanks to all who sent me things for Harmonics and I can always use more. Bye for now.

Happy Hamming, 33, Patsy



Carol Iams, WBWRJ, 724B Andover Dr., Mentor, OH 440B0

Marilyn, WB9TDR, went to AZ last September to help her parents celebrate their 50th Wedding Anniversary. They had an Open House for them, and they renewed their vows before 110 people. Still, her Dad wants her to send him an 18 year old Hula dancer when she goes to Hawaii. Marilyn will be sharing a room with Kay, WAOWOF at the Convention. After the Convention, Kay is planning to take her mother to Ireland. She was going to look up Clare, EI7CW, but now Clare has gone off in their Sailboat to live, for now.

Joanne, KJ30's son Jamie, KA8WZQ, was with them at the Dayton Hamvention. While there he received his Military papers relocating him to Oahu, HI for 2 years. He had to leave for HI right from there.

Carol, WD8DQG finished her Final Portfolio for an Advanced Creative Writing Class and got a B+. Her son Dan got his Masters in Computer Science and got married in June. Her son Mathew graduated from the Culinary Inst, and is now Sous Chef at Travis Point Country Club in Ann Arbor, MI. Our Congratulations to all of you, Carol.

Members seen at the Medina Hamfest, May 14, were Rosemary, KD8SC; Doris, WD8IKC; Betty, N8FQS; Carol, W8WRJ and Joanne, KF30. K8UMY, Pat was there too. Pat used to write the Tech. Column for Harmonics.

Those at the Goodyear Hamfest, June 11, were Joanne, KF30; Betty, N8FQS; Doris, WD8IKC; Donna, KB8YS. Doris turned her ankle in the parking area. We called the paramedics and they put ice on it for her. It was a bad sprain and she is using a walker now. I guess you're our "Accident Prone" gal now, Doris. They were threatening to put me in a Play Pen a few years ago. I know, these things happen so darn easily.

The Chix-on-Six had a meeting April 11, at the QTH of Byrness, KA8GNR. It was voted that all the present officers be nominated for another year, and the officers all agreed, too. We collected some dues and Bernice took some YLRL Quilt Raffle tickets to sell. Between the Belles, the Chix, and me, we sold 92 raffle tickets for the quilt!

The Chix meeting June 13 was at the QTH of W8WRJ. Those present were K8ZEV, W8DRP (Pres.), KA8GNR and her OM, W8EFB, WB8JTW, WA8EBS, KA8SSK, K8OVF, WA8ZMU & W8WRJ. Present officers are re-elected for next year. The Installation Dinner was at Kiefer's, July 11th. The August Picnic will be at Byrness, KABGNR's QTH again as she and Bob want to have that every year. KA8SSK, WA8EBS, WA8ZMU and W8WRJ were all looking forward to going to Hawaii.

My OM K8BLB and I went to the Grand River Winery Saturday night, June 3rd, for the Lake County Amateur Radio Assoc.'s "WINO WEEKEND" (Wireless Institute of Northern Ohio). They set up a Special Event station celebrating Ohio Wine Month. We evidently had a good antenna system because we were able to work all over the U.S. and even Hawaii. I worked a station at the ARRL Convention in Houston and a Centennial Celebration station in South Dakota. It was a lot of fun. We send the stations that send us QSL's and an SASE a Certificate. It is written up in all the Ham Magazines, and is always the first weekend in June. We go back out there and work some on Sunday too. We had a Barbequed Chicken dinner this year and some good wine Saturday night, and leftovers on Sunday. I've got a Special Wine Glass the participating wineries are selling with Ohio Wines etched on the base, and the

Winery's name on it too, for my Door Prize at the Convention in Hawaii.

33, Carol



Karen Crull, KA9ZZW, 1824 Hoover Dr., Normal, IL 61761

Greetings from 9-land. I hope that everyone who went to the YLRL convention in Hawaii had a super time.

May 10th N09W Roxann and KC7ET Evelyn had lunch with KA8VLR, Mary Coyle from Caldwell, OH, who was visiting her sister-in-law and sister in Bloomington. Mary is an active CW operator and has been a member of YLRL since 1985. She told about some of her experiences portraying Mary Todd to her OM's Abe Lincoln for schools, in historical pageants, at patriotic exhibitions, etc. They have been on TV, have taped programs for use in schools, and often appear in IL for Centennials.

N09W Roxann and KA9ZZW Karen were able to attend the Dayton Hamvention with their OMs and sons. We met several YLs ther, among them: Mary WB5DVA; Nellie XE1CI; Louise WB8JIB; Mary WB9RRG; Carole WB2MGP; Helen KA8UET; Kay KA8BPD. Roxann had the privilege of ehlping at the IMRA booth there and had a great time meeting everyone.

KC7ET Evelyn and KA9ZNA Deb helped the Central IL RC with the Am. Diabetes Assoc. Bike Fund Raiser that was held April 29th. Evelyn was NC at the base station for the day. The radio club is very fortunate to have YLs who are willing to help at various functions like this!

K9DOT Ruth has been a ham for 33 years & was one of the first YLs on SSB. About 30 years ago, Ruth and a YL from Ohio and a YL from CA happened to be on the air at the same time. They decided that they had so much fun talking that they would meet on the air at 1 PM CST on Wed. afternoons. Does anyone know is this net still exists? (What band? ED.)

WA9TVM, Becky & 0M Marv WA9TVJ spent 3 months in the Rio Grande Valley. Beck's primary interest has been chasing DX and she is over the 320 mark. They have three children: Allen WA9ZNX Tom & Kathy WA9TVF.

WD9EGA Margaret and 0M Virgil WB9MHS are members of the Green Bay Mike & Key Club Inc. They are parents of Carl who was born last August.

KD9W0 Cathy & 0M Mel K9GB had their third son Christopher Feb 1. Their other sons are Daniel & Jeffrey WB1ABY.

WB9PKJ Bette will be hard to find now that summer has arrived. Bette is either in Green Bay or in the woods.

WB9ZNA Karen became a grandmother to a boy early in Feb. She now has a granddaughter and a grandson. (Would Karen be interested in reviving the old Grandmothers Club which was started by Mary Meyer W9RUJ & then

revived by Martha Shirley WDWL sometime after Mary became a SK? ED)

KA9VJF Jennie, NO9W Roxann, KA9ZNA Deb, KC7ET Evelyn & KA9ZZW Karen went to Indiana Sat. 610 to meet other YLs W9RTH Adah & KA9RXK Ann at the home of KA9NBE Lou Ann who are members of the HAWKS. On Sunday KD9DU Barb spent the day with Adah, Ann, & Lou Ann. Adah was given a plaque for her years of service and dedication to the HAWKS. We all had a great time and thank the HAWKS for a wonderful time!

Thanks again for all who sent me some news. I really do appreciate all your efforts!

33, Karen

S*****

Dana Tramba, NOFYQ, 340 So. 1st, Clearwater, KA 67026

Greetings from zero-land. We have had some nice YL Forums since the last Harmonics was published. In Kansas City we met Kathy, KBOAQA, Diane KAOUUY, and Kay WAOWOF who is a past president of YLRL. Also Candy NDJYG, Kay WA5DIC, and Estela KBODUK, who just upgraded to tech the night before. We agreed that it was a big help because she had her radio in the laundry room, and now she is going for General! It was a real treat having Cliff KOBIX sit in on the forum to get information for Phyllis IMOJMR who was home in bed with back problems.

Apparently Phyllis is up and around now as she helped the Johnson County ARC provide communications for the Mill Creek Horse Trials. The ham operators helped to coordinate the pacing of the riders, via identifying which jumps they have made, or refuse/retrying as the rider is going through the course. It was a cold, wet, rainy day, with lightning to boot and having 121 horses go through 6 jump classes kept the group busy. They found another good use for baggies—to keep their ham gear dry! Sorry we don't have room to print more about their "horse and Ham" experience.

Feme Williams WDOEDR has been ill and in the hospital for some time. I hope by now she is home and "radio active". Helen NMOE and Mary KAOOMX are taking the training for the SKYWARN (Amateur Radio Weather Monitoring) program with St. Paul Radio Club. Hope you are all having a peaceful summer. Please let me hear from you!

33, Dana

Mary Lake, KH6PI, P.O. Box 2136, Kamuela, HI 96743

Shari Runyan, AL7FJ, SR 3, Box 5840, Chuqiak, AK 99567

Thelma Woodhouse, VE3CLT, 44 Innisdale Dr., Scarborough, Ont. MIR 1C3

No news from any of these Districts

a#####*#####*#####**#####*#####*#####*#####*#####*#####*



Mary Ketzler, KA00MX, 1581 - 5th St., White Bear Lake, MN 55110

A hearty welcome to these new members:

G3KNU/G1YNR, Betty Jackson has held a class B license since 1987, is able to operate with OM Peter's call and (under his supervision) HF for YL contests. She hopes to upgrade to class A sometime this year. Betty is a sales accountant. Hobbies include flower arranging and travel. She is Secretary for the Scunthorpe ARC, joint auditor of the G-QRP club, local fishing club and radio club.

G4KFP, Jasmine is a reinstated member this year, newly sponsored by N6QWF, Jane. She is very happy to be receiving YL Harmonics again. She has been studying for a Degree by way of an open University course at home and working full time as Secretary and Assistant for two directors of a company selling car components to the trade. She also took the job as DX Correspondent. Other hobbies include china painting, walking, gardening, reading and music/arts. She and her OM have no children, but they do have 3 rabbits, a canary and a dog.

0N5KI, Nadine Collart has held an amateur license since 1985 and is a member of the Belgian radio association U.B.A. She is not married, works in an office. Nadie especially likes working CW on the HF bands, contests and packet radio.

SM5LYL, Marie Klintman is 22 years old and a student at the Univ. of Lund in southern Sweden. She has been licensed since 1980 and enjoys talking with new and old friends on the radio, generally in CW, when she has holidays from school. Other hobbies include singing and learning about different cultures and languages. Her sponsor is KA1MKJ, Karen.

VK3JAW, Marlene Perry finds time in her busy schedule as a full time psychiatric nurse doing assessments and counseling at a hospital to operate on 80, 10, and 2 meters. She also likes reading, crafts such as macrame, knitting and sewing, gardening and using computers. She loves listening to 60's and 70's music and dancing. She and OM Ron, VK2FGW have two sons ages 15 and 13 and a daughter age 2. The town of Midura where she lives is situated on a river, important for irrigation for the surrounding farming area which produces wool, meats, fruits, grains and wine. There is also a big tourist industry there. Her

sponsor is K60QD, Jean.

ZS5Y0, Mimi Roach obtained her license in 1983, when she was over 60 years of age, with the encouragement of daughter Molly N3CHZ/0 and son-in-law Gordon, KE3D before they left South Africa. Mimi still works part time as a medical doctor. Her OM George is a retired pathologist. They have another daughter Marguerite, ZR2GJ, two sons & eight grandchildren. They often visit youngest grandchild in Boulder, CO. Besides radio Mimi does embroidery and sewing and church activities. She is a member of ALARA and JLRS. Mimi's sponsor is N6QPY/7, Anne Marie.

NEWS FROM DX MEMBERS

CT1YH, Lucia has been very active on the air, won the championship HG-SSB 1988 in Portugal and is first CT on DXCC-CW with 226 countries confirmed! New countries for Lucia recently were XF4L and ZS8MI. Lucia has been using the CS7YH call commemorative of Portuguese Discoveries. You may have worked Lucia in the EDP contest on June 28.

GM4YMM, Christina went to a Repeaters group AGM for the south of Scotland and enjoyed all the eyeball and eyelash OSDs with radio friends. Her son Magius completed his last year of High School along with exams and was hoping to qualify for University next year. Her DM Ken was building a magnetic loop antenna for 4D and 80 meters, hopefully to overcome the disadvantages posed by their strapped dipole in their location in a hollow amongst hills.

GMDBEL, Jill lost her mother last June by a stroke after a long illness and spent the summer sorting out things and selling her mother's house. She and her OM John along with their daughter and son, ages 6 and 8, are actively involved in scouting. Jill is a Beaver Scout leader. They still find time to help with the radio Rallies and Raynet amateur radio emergency net. John was at Lockerbee after the air crash helping the police film unit.

IIMG, Ada had a very difficult year 1988 with various illnesses and the loss of a dear nephew from drowning. Her son Beppo has work as Lab Tech at Cancer Inst, in Genoa and daughter Anne is accountant in Imperia.

0H6CD, Marja has been busy planning the summer YL meeting for OH, SM, LA yls. Their radio station 0H6YLS will be operating all bands during the meeting. Their program includes introductions and talk of YL activities on the bands, learning about first aid, then an evening of friendly competition (OH, SM, LA) and then music, dancing and planning next year's meeting location. Marja travels to Helsinki each month for SRAL meetings (Finland's Amateur League).

PA3CEB, Dieuw and OM bought the home they had lived in for 30 years and have been changing things and redecorating. They finished a new

room for their radio, too! Her ON Win used to do bird banding for the research of bird migrations as part of his job, so they share two hobbies, birdwatching and radio!

VK3DMS, Marilyn is the contest manager for upcoming ALARA contest for the Florence McKenzie trophy - awarded to the top scoring VK YL novice operator in CW. Certificates are awarded to top scorers in the contest overall, in phone and in each VK province and each continent. Contest is Nov. 11 0001 to 2359 UTC. Florence McKenzie was the first YL licensed in Australia in 1921.

YT3YL, Alenka graduated from the University with top honors and is looking for a job, a lengthy and unpleasant process. A violent wind storm took down her antenna a few months ago, but her OM has promised a new one soon. Alenka was planning to meet Darleen, WD5FQX in Venice when she is in Europe this July.

Z21JE, Molly loves operating on 10, 15, 20 m when the bands are open to the states, giving needed contacts to U.S. amateurs. And she's just old fashioned enough to insist on doing her own QSLing so if you're lucky enough to work her you can expect an answer to your happy note. She has been operating from Zimbabwe for 40 years. She and OM George will be in Davenport, IA August 10-12 at the Palmer College of Chiropractic homecoming week.

ZS5DC, Diane is happily settling into their new home about 30 KMs away from the city, on an elevated site, hopefully great for antennas. They were looking for a beam antenna, which she says is "like looking for gold here and almost as costly". Her OM John promised her a new ruby studded beam for their 40th anniversary April 13 (he cut out ruby stars to stick on it). While waiting for the antennas, etc., she was graciously given an opportunity to operate ZS5VF, Vikki's rig one afternoon - and as a housewarming gift from Vikki and OM they received a 2 section tower, as well.

4X6DW, Nomi does not have much time for radio with her busy schedule as lab tech in a microelectronics lab and as housewife, but tries to check in on Thursdays at 1700 UTC at 14.242 where EU YLDX net meets. The 4X YLs are more active locally on VHF then on HF, and get involved in local club activities. At the Passover holidays, however, the IARC ran four different stations from historic crusader fortresses - a non-stop operating on all bands 100 hours and 50000 contacts. Nomi visited three stations and did some operating. (Nomi has a friend who'd like to join YLRL, if you are interest in sponsoring a 4x YL let me know.)

Next issue of YL Harmonics will have a new permanent address for me - in Wisconsin! My DM John has accepted a job at Supercomputer Systems Inc. at Eau Claire and we are moving and building a house on 56 acres

of land halfway between Eau Claire and Mondovi. It's a brand new and exciting experience for us! I will have my own "nature trails" and we will have a roomier house and space for wonderful antennas! The address at White Bear Lake is good until August. Apartment address until Oct. or Nov. (when our house will be ready) is 3130 Eldorado #613, Eau Claire, Illi 54701.

Congratulations to Alenka, YT3YL on her graduation with honors from the University.

33, Mary

+++++

There's just enough room left to include the following rules. (Ed)

MID-WINTER-CONTEST 1990

CW: Saturday 13th January from 07.00 - 19.00 GMT

SSB: Sunday 14th January from 07.00 - 19.00 GMT

BANDS: All bands from 3,5 to 29,7 MHz (no crossbands). Please work according to banddivision recommended by the IARU for Region 1.

PROCEDURE: YL's call CW Contest or CO Midwintercontest

OM's call CW YL's

CHANGING: Call, RS(T) + number, country.

OM's start with 001, YL's with 2001. At the same time must be the time, band, date, YL or OM be noted in the logbook.

POINTS: Every QSO with a YL = 5 points

Every QSO with an OM = 3 points

One station per band may be worked.

MULTIPLIER: Every DXCC-country counts as multiplier (not be band).

TOTAL SCORE: Points for all bands X multiplier

SWL'S: Every heard YL-station counts for 5 points. Multiplier as above. Logs must be note call of the station being worked.

The logs must be sent to:

D.Y.L.C.

P.D. Box 262

3770 AG BARNEVELD Netherlands

Logs must be postmarked BEFORE February 18, 1990

MIDWINTER CONTEST 1989: I noticed that YLRL member GOBIR, was the second top SSB scorer with a total of 49,019 points; and, YLRL member OH6CD was the top CW scorer—Congratulations to both Ann and Marja. (Editor)

CHAIRMEN STANDING COMMITTEES
AFFILIATED CLUBS

Phyllis Shanks, W2GLB, 1345 West Escarpa, Mesa, AZ 85201
BUDGET & FINANCE

Karla Homes, WA1UVJ, 2 Belfast St., Nashua, NJ 03063
MEMBERSHIP

Jan O'Brien, K6HHD, P.O. Box 700, Rio Linda, CA 95673-0700
EASTERN MEMBERSHIP

Anna Wolfe, NT8Y, 1104 E. Sugnet Rd., Midland, MI 48640
PUBLICATIONS (YL HARMONICS MAGAZINE)

Jean Kincheloe, K6QDQ, P.O. Box 1446, Magalia, CA 95954

OTHER COMMITTEES
LIBRARIAN/HISTORIAN

Lois Ierlan, WA2RXD, 725 Proctor Ave., Ogdensburg, NY 13669
PARLIAMENTARIAN

Ruth Bennett, WA7RVA, 6729 Beach Dr. SW, Seattle, WA 98136
PUBLICITY

Audrey White, N7HAT, 404 South Shore Rd., Anacortes, WA 98221
SUPPLIES

Andrea Parker, K1WLX, 17 West Main St., Niantic, CT 06357
PRESIDENT'S ADVISORY

| | | |
|----------------------|---------------------------|----------------------|
| Eila Russell, WA8EBS | Janice Scheuerman, W82JCE | Sandra Heyn, WA6WZN |
| Kay Eyman, WAQWOF | Blanche Randles, W4GXZ | Carrie Lynch, WA4BVD |

VICE PRESIDENT'S ADVISORY

| | | |
|--------------------|----------------------|-----------------------|
| Marty Silver, NY4H | Joan Branson, KA6V/7 | Shirley Hoper, WD8MEV |
|--------------------|----------------------|-----------------------|

CONVENTION KIT CUSTODIANS

| | |
|---------------------|---|
| Districts 1,2,3,VE | Lia Zwack, WA2NFY, 138 Flower City Park, Rochester, NY 14615 (716) 647-1145 |
| Districts 4 & 5 | Jan Scheuerman, WA2JCE/4, 3818 S.E. 1st Place, Cape Coral, FL 33904 (813) 542-6507 |
| Districts 6,7,KH,KL | Joan Upton, KD7YB, 50 South 6th St., Independence, OR 97351 (503) 838-5159 |
| District 8,9,10 | Roxanne Moss, N09W, RR 1, Downs, IL 61736 (309) 378-4032 |

YLRL will pay for shipping the kit TO you but the person ordering the kit is responsible for the return shipping.

TAPE TOPICS LIBRARIANS

Western: Districts 7, 7, 0

Anna Arnholt, KK9RXK, 11351 S. 450 E. Elizabethtown, IN 47232

Eastern: Districts 1,2,3,4,5,8 & 9

Metropolitan Atlanta Ladies'ARC, P.O. Box 76783, Atlanta, GA 30358

SCHOLARSHIP LIAISON between YLRL & FOUNDATION FOR AMATEUR RADIO, INC.

Ethel Smith, K4LMB, 2012 Rockingham St., McLean, VA 22101

Y L R L S U P P L I E S

| | | |
|--|------------------|--------|
| YLRL STATIONERY: Diamond Logo Letterhead with matching envelopes. | | |
| 50 sheets, 8½x11 with 50 #10 envelopes | | \$6.50 |
| 25 sheets, 8½x11 with 25 #10 envelopes | | 4.50 |
| 50 sheets, 5½x8½ with 50 note-sized envelopes | | 4.50 |
| 25 sheets, 5½x8½ with 25 note-sized envelopes | | 2.75 |
| YLRL JEWELRY, PATCHES & DECALS: "Girl-on-the-Globe" Logo | | |
| PINS: Gold filled | | 8.00 |
| Silver | | 8.00 |
| 50th Anniversary pin/charm | To be announced | |
| CHARMS: Gold-filled | | 8.00 |
| Silver | | 8.00 |
| PATCH: 4" Circle, Grey with Blue Logo | | 3.50 |
| DECALS: 3" Circle, Silver & Blue for indoor uses, books, etc. | 3/1.00 | |
| 3" Circle, Silver & Blue Mylar, for any window or windshield; logo faces outwards | .75 ea or 3/2.00 | |
| YLRL JEWELRY 7 PATCH: Diamond-shaped Logo | | |
| PINS: Gold & Blue enamel | | 4.00 |
| Silver & Blue enamel | | 4.00 |
| CHARMS: Gold & Blue enamel | | 4.00 |
| Silver & Blue enamel | | 4.00 |
| PATCH: Silver & Blue, 4" x 2½" Diamond | | 3.50 |
| CQ-YL by Louisa Sando, W5RZJ. Spiral-bound, soft cover, over 200 pages and 600 photos. 3rd Edition printing includes officer data through 1985, and convention reports through 1982. | | |
| | | 6.50 |
| RUBBER STAMP: Your call, name and QTH w/YLRL "Girl-on-the-Globe" | | 9.75 |

All items are postpaid EXCEPT DX Airmail. For DX airmail please add \$2.50 per order. Please make your check or International Postal Money Order payable to YLRL, Inc. DX please use International Postal Money Orders, if at all possible.

Send your order directly to the YLRL Supplies Chairman:

Andrea T. Parker, K1WLX

17 West Main St., Niantic, CT 06357, U.S.A.

1989 Anniversary Super Directory (#2, May/June, 1989) is available from the Editor, Jean Kincheloe, K6OQD, P.O.Box 1446, Magalia, CA, U.S.A. Please mail your check or International Postal Money Order for \$5.00 US to Jean. This price includes all Addenda sheets to be printed up to the issuance of the 1990 Directory (Sept/Oct 1990)