



HAM HUM

Published by
AK-SAR-BEN RADIO CLUB, INC. - Omaha, Nebr. 68101
Post Office Box 291 - Downtown Station



Vol. XXV
No. 12

December 1975

AK-SAR-BEN RADIO CLUB, INC. 1975 ANNUAL MEETING AND CHRISTMAS PARTY

December 12, 1975 - 7:30 P.M.
NATIONAL GUARD ARMORY
6929 Mercy Road, Omaha

**DUES
DUE
BEFORE
MEETING**

ELECTION of OFFICERS. Paid Club members will vote on officers for 1976.

GIFT EXCHANGE - Club members and guests (adults) who wish to participate in the gift exchange must bring a gift - minimum value \$3.00. Only those who bring gifts will be eligible to participate in the exchange.

DOOR PRIZES - Separate drawing will be held for door prizes from list of paid members.

SPECIAL FAVORS FOR JUNIOR OPS

**ENTERTAINMENT -
MAGICIAN WALTER GRAHAM**

REFRESHMENTS

**BRING YOUR FAMILY AND FRIENDS -
GUESTS WELCOME**



Best Wishes to you and yours for a very Merry Christmas and a Happy New Year from the Board of Trustees of Ak-Sar-Ben Radio Club, Inc.

HAM HUM is the official organ of the Ak-Sar-Ben Radio Club, Inc., of Omaha, Nebraska, mailed monthly to all members and to others upon request.



Next copy deadline: December 19th

Annual Dues:

Regular member\$7.50
 Regular member and XYL 9.00
 Student member 3.50
 (due and payable each Jan. 1)

Published by

AK-SAR-BEN RADIO CLUB, INC.
 Post Office Box 291
 Omaha, Nebraska 68101

Editor: Dick Eilers, WØYZV

Phone HOME: 397-3999
 BUSINESS: 342-1402 - EX. 20

Associate Editor: John Snyder, WØWRT

Phone HOME: 556-1538
 BUSINESS: 397-3000 - EX. 3761

Associate Editor: Ervan Heinz, WAØEEM

Phone HOME: 553-2033
 BUSINESS: 554-2656

New member initiation fee\$1.00
Quarterly for balance of year:
 Regular member\$2.00
 Regular member and XYL 2.45
 Student member 1.00

PUBLIC WORKS ASSISTANCE

The Public Works Department of Omaha has requested that local amateurs help provide road condition information throughout the coming winter season. During snowfall or icy periods such information will be used to aid the dispatching of trucks with salt, sand or plows.

KØUDK, Jack, will be the prime contact with Public Works and will be asking for such road condition information via the Omaha Repeater (34/94). During periods of light or moderate snowfall, it is planned to gather such information in an informal manner without putting the repeater into a controlled net operation. Should snowfall become heavy or develop into a blizzard, operations could easily be shifted into formal net procedure.

During periods of snowfall, the cooperation and reports of all repeater users (particularly mobiles) will be

greatly appreciated. Any information that amateurs can provide that will assist the performance of the Public Works Department will save money, reduce the potential for accidents, and speed the flow of traffic.

While not being particularly glamorous, this is a fine example of basic public service work that we as amateurs are especially equipped to provide.

By—Gary Maples, WØOXT
 A.R.E.C.

CHRISTMAS PHONE PATCHES

On December 21st, patients at Omaha VA Hospital will call home through the services of amateur radio.

Amateurs interested in helping run phone patches may contact Jay McAleer, WAØLLQ, at 339-3448.

NOVEMBER MEETING

By—Bill Leatherwood, WAØZUR

The November meeting was held on 4 November 1975 at the National Guard Armory.

New members: Jean, WNØQAY; David, WAØSVO; Frank, WBØJAX; Eric, WBØARZ.

The Public Service Award from the U.S. Weather Service was read. This was for service prior to, during, and after the tornado.

Reynolds, KØGND, the President of the Lincoln Amateur Radio Club, invited area hams to the Lincoln auction. He also gave a rundown on how well the "Toys for Tots" program works in Lincoln.

Mike, WBØBMV, announced the December meeting will be held on the 12th at the National Guard Armory. This will be the Annual Election Meeting and Christmas party. Bring the family. Gift exchange will be held if you so desire.

Ed, WBØBCB, announced that there will be entertainment at the party.

Jim, WAØLHC, and Leo, KØJIU, presented the program on antenna structures in Nebraska and Iowa. Many questions were answered regarding zoning, covenants, building permits and other things to be careful about when planning a home and antenna farm.

Chuck, WBØNVL, explained Operation Toys for Tots. This exercise will occur on Sunday 14 December 1975 from 9:00 A.M. until 6:00 P.M. Mobiles are needed.

Ø QSL BUREAU

At the last meeting of the Board of Trustees it was called to our attention there was need for volunteers for handling the QSL Bureau duties for Ø calls.

In order to be of service to amateur radio, and particularly the HF segment of amateur radio in this area, the Board volunteered our Club as QSL Bureau Manager. It was felt that with the help of several of our members, we should be able to do a fine job.

To develop the technique for handling, it was agreed that WØYZV be appointed as coordinator of the activities and that we would look to our Club members, probably those in the HF segment of our membership, for assistance and guidance in establishing this as a Club function.

Although we have not yet heard of the approval of the Club as QSL Bureau Manager, we expect it to come through as it was ARRL who requested we do this.

Any suggestions? Please forward to the Club box or get in touch with WØYZV.

WRØAJT

New repeater on 40/00 with auto patch. Support donations may be sent to:

John M. Gebuhr, WBØCMC
2340 North 64th Street
Omaha, Nebraska 68134

Open as of date of this publication.

NOMINATIONS FOR 1976

The annual meeting of the Ak-Sar-Ben Radio Club, Inc. will be held at 7:30 P.M. on Friday, December 12, 1975, at the National Guard Armory, 6929 Mercy Road, Omaha, at which time officers will be elected for 1976.

The Articles of Incorporation and Bylaws of the Club provide for the election of a President, Vice President, and four members of the Executive Council each year. The President and Vice President are elected for a one-year term; the Executive Council members are elected for a two-year term. The outgoing President remains on the Board of Trustees as Immediate Past President for one additional year.

Those going off the Board after having served their terms should be thanked for their efforts. Should you wish to thank them individually, they

are: Edward C. Eichler, WBØBCB; James D. Howard, K5TNP/Ø; Lloyd McElhane, KØDKM; Patrick Scolla, WBØEGR; and Harry C. Snyder, WØNVE.

Remaining on the Board for 1976 are: Marion (Mike) Wilczynski, WBØBMV, Immediate Past President; Robert A. Conley, WBØLYU; Lowell W. Jackson, WAØHKT; William A. Leatherwood, WAØZUR; and Michael L. McAllister, WBØDXA.

Those remaining on the Board together with the new officers and members of the Executive Council to be elected will comprise the Board of Trustees for 1976. The Board will then elect a Secretary and a Treasurer from the Executive Council.

The Nominating Committee will place in nomination at the annual meeting the following:

For President

Edward C. Eichler, WBØBCB

Age: 34
Address: 308 West Highway, Valley
Phone: 359-2713
Wife: Jenny
Children: Stephanie, age 5; Paul, 1½ years
Employment: Eichler Equipment Co.
Licensed: 3-24-1970
Hobbies: Ham radio, hunting, camping

Vice President

James D. Howard, K5TNP/Ø

Age: 36
Address: 1106 Hackney Drive, Papillion
Phone: 339-5318
Wife: Betty
Children: Larry Dean, age 12; Alan Glen, age 10
Employment: U. S. Air Force
Licensed: 1959
Hobbies: Ham radio, hunting, fishing

For Executive Council

John Gebuhr, WBØCMC

Age: 32
Address: 2340 North 64th Street, Omaha
Phone: 553-6414
Employment: Radio Engineering Institute
Licensed: 1970
Hobbies: Ham radio, stamp collecting, gardening

Martin John Griffin, WAØGEH

Age: 30
Address: 5408 S. 106th Street, Omaha
Phone: 331-5080
Wife: Sharon
Children: Danny, age 6; Damian, age 5
Employment: Northwestern Bell Telephone Company
Licensed: 2-1963
Hobbies: Ham radio, carpentry

Gary D. Maples, WØOXT

Age: 30
Address: 7325 Ames Avenue
Phone: 572-6254
Wife: Ann
Children: Daughter, Kim, age 6
Employment: Omaha National Bank
Licensed: 1958
Hobbies: Ham radio

Thomas L. Thiessen, KØPQR

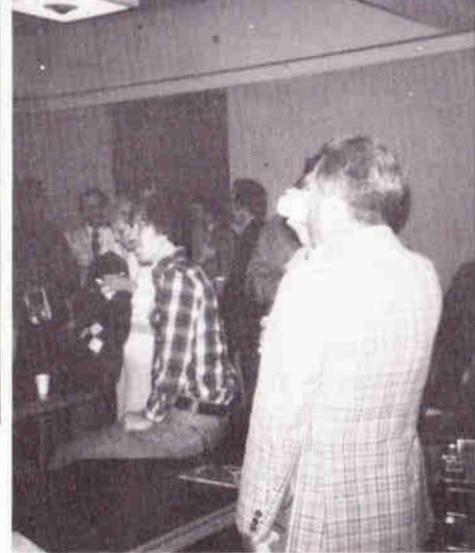
Age: 30
Address: 2708 N. 65th Street, Omaha
Phone: 556-9120
Wife: Kathleen
Employment: International Radio, Inc.
Licensed: 5-1958
Hobbies: Ham radio

After telling his patient to put out her tongue, the doctor began writing out the prescription. When he had finished he turned to her and said, "There, that will do."

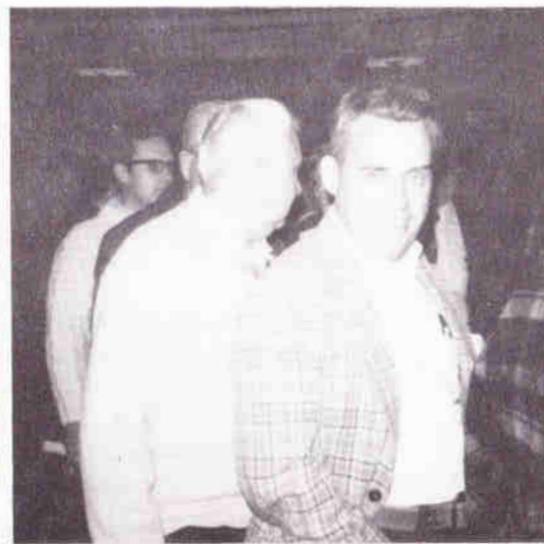
"But, doctor," she protested, "you didn't even look at my tongue."

"Didn't need to," the doctor replied, "just wanted to keep you quiet while I wrote the prescription for you."

— *Sunshine Magazine*



NOVEMBER MEETING PHOTOS — By Jon Penner, WØQGT



The following two items, submitted by Art Gaeth, WØFQB, come from the Worldradio News, November 1975. Thanks, Art, for submitting them.

TULSA AREA AMATEURS PREPARE TO DEFEND THEIR RIGHTS

On 17 September 1975 a group of approximately 50 Tulsa area amateurs met to show strength at the hearing on the TMAPC Board of Adjustment. The action was taken by the neighbors of Jim Pickett, K5LAD, to appeal the City of Tulsa's issuance of a building permit for Jim's 69-foot Rohn 45 foldover tower.

In a marathon 2-hour deliberation on this one case, the appeal was upheld by the Board. This meant that Jim's building permit was invalid. The Board did agree that Amateur Radio is incidental to a residential area and thus would be permitted in the amateur's home. They also agreed that, according to existing ordinances, there would be no height limitation on an antenna (aerial) but that a supporting structure for an antenna could not exceed 26 feet.

At this point any tower higher than 26 feet is in violation. No future towers may be erected which will exceed the 26-foot limit. Any deviation from this decision will have to be individually decided by a variance.

Jim has a choice of several options. Because his tower was erected in compliance with a legal building permit and the tower was up before the Board's decision, he could apply for and doubtless receive a variance on his own case. If this were done, Jim would be okay, but it would leave all
Page 8

other Tulsa amateurs stuck with a 26-foot restriction. He has chosen to appeal the case to District Court to clear up the point for everyone. The appeal will run in the neighborhood of \$1,000.

This is not K5LAD's fight alone by any means. This is the fight of every amateur in Tulsa, to be sure, and all interested amateurs around the country. The Executive Board of the TRO met and has decided to head up the fight. Max Attebery, WB5BET, and Don Johnson, W5PYA, have agreed to handle the trust fund for the Legal Defense. This fight must not be allowed to lose; the cost must be shared by everyone because it is everyone's fight. The ARRL is providing some help in the legal line but the finances must come from us.

Donations are appreciated in whatever amount you can afford. Everything from \$5 to \$20 has come in so far from individuals but amounts less or more would be appreciated, and welcomed. Checks may be sent to the TRO, P.O. Box 1422, Tulsa, OK 74101 or given in person to Max Attebery, WB5BET, or Bud Ambrose, K5HDO. Make checks out to "Jim Pickett Legal Defense Fund."

Jim will appreciate your help and you will be helping yourself and Amateur Radio in Tulsa for years to come.

de TRO, The Tulsa
Repeater Organization, Inc.

* * *

COUNCIL REJECTS PLAN TO REGULATE ANTENNAS

CHULA VISTA, CA - The City Council decided against requiring
December 1975

conditional use permits to regulate the installation of antennas by Amateur Radio operators and citizens band radio groups.

After a 90-minute hearing and discussion last night (7 October 1975) the council felt it did not want to adopt an ordinance because the problem does not appear to be widespread.

The subject was introduced after a complaint was received about a year ago about an unsightly Amateur Radio antenna on Corte Maria Avenue.

The councilmen considered requiring conditional use permits for three-dimensional antennas that resemble box kites.

Amateur radio operator Leonard Babin, WA6CQF, said such a restriction could not be aimed at amateur and citizens band radio operators only, but would have to include all antenna — private, commercial, government and television.

It was discovered that several home television antennas could fall into this category and some governmental facilities, including the city's fire communications antenna, could be affected.

The council chambers were packed with radio operators who explained that they were working on a solution to the Corte Maria problem which some members of the City Council called "a backyard dispute."

de The San Diego Union

One reason so many children are seen on the streets at night is that they're afraid to stay home alone.

—Charles Knouse.

Editor, Ham Hum
Omaha, Ne.

Hi:

There must be many 6 volt, full wave battery chargers lying idle. So, why not use a bridge rectifier, get 12 volts at 1/2 the amperage? From the bargain pages — 4 12 Amp. 100 PIV, Silicons. One 1 ohm 12 watt Brown Devil resistor.

Connected the bridge, silicon rectifier, to the outside wires of the transformer, connected to battery — gave 7 amps — ran stinking hot. Connected the 1 ohm Brown Devil in series, charged at 4 amps. Ran cool. Unloaded volts 14 v.

So why not use it for a 4 amp. power supply for the 2 meter rice-box? Paralleled a 3000 MFD cap. with a 400 ohm bleeder resistor, across the 12 v. output, plug in the rice-box — pilot lite very brite — but on the air test, no hum or ripple. Checked voltage — unloaded, 21 v. on receive, 18 v. on transmit 16 v. Unplug and QRT that test. (Double check with a cheapie 12 volt power supply for direct use on rice-box, that showed, unloaded 15 v. on receive 14 v. on transmit 11 v.) Conclusion . . . a 6 v. full wave battery charger, @ 8 amps, may be converted to a 12 v. bridge rectifier, with a 1 ohm 12 watt dropping resistor and make a good battery charger, but until someone does more work on the project, do not use it on a 2 meter rice-box, direct.

Dighton L. Phifer, WØVEA

Gossip is making a mountain out of a molehill by piling on the dirt.

—Myron Cohen.

HAM HUM SWAP

FOR SALE

OR TRADE: National NC-270 Receiver, 80 through 6 meters. Perfect Shape.
\$100.00

Akai CR80DSS 4 Ch. 8 track recorder/player with many tapes included. Like New. \$175.00

2 Meter FM TR-22C (Drake) with Xtals for 52/52, 34/94, 94/94, 22/82, 16/76. AC power supply and 5/8 wave mobile antenna. 6 mos. old. Like new. \$265.00

David Smith, K3CRF, 310 Washington St., Lot 98, Bellevue, NE. 68005; home phone 291-1436; office phone 346-4370.

FOR SALE: 6 element 6 meter beam; 8 element 2 meter beam; CG-144 Colinear mobile antenna. Call 731-0128, Bernie Chap, WBØEYT
4656 Harrison Street, Omaha, NE 68117

FOR SALE: Drake TR-4 with noise blanker and DC-4, late model-\$425.00; HT-220 factory unit, 34-94, 94-94, 25-85, 85-85-\$395.00; Trimline white touchtone phone \$25.00; Squires Sanders FM alert 30-50 MHz, needs tune-up and you ship \$20.00; HT-200 Battery \$7.50. Heathkit model IT-121 transistor checker-\$50.00
Phone (913) 742-3225 or write WAØVVSJ
Robert H. Sunderman, Box 232, Hiawatha, KS 66234

FOR SALE: Radio Shack DX150A rcvr; Tennelec 5 band, all frequency 16 channel FM Monitor rcvr digitally synthesized; 30-50 MC, 146-148 MC. 151-170 MC, 450-470 MC, 490-508 MC. Bearcat UHF 8-channel Scanner W/all Omaha Police Xtals.

William A. Dumbleton, WBØNPS, 4607 Chicago St., Omaha, NE 68132 phone: 551-0577

FOR SALE: Heathkit GR-54 receiver, 200 Kc - 30 Mc, 1680 Kc Xtal Filter I.F. - \$50.00;

Delco AM/FM Stereo Car Radio - \$65.00.

Richard H. Swig, WBØZQG, 3309 Cottonwood Lane, Omaha, NE 68134; phone 572-0523/572-0546

FOR SALE: Johnson Ranger, with P.T.T. Grid block keying and built-in antenna relay - \$75.00

H.Q. 110 Receiver with clock - \$100.00. Both very good.

Melvin Andrew, WØLPU, Brownville, NE 68321

Phone (402) 274-2207 evening.

FOR SWAP AND Globe Linear (WRL), covers 6-10-15-20-40-80 meters. Will SWAP for a receiver that covers novice bands.

FOR SALE: 12 Volt 6 meter mobile converter (Gonset) - \$25.00.
Contact Russell Crenshaw, WØYWD, phone 393-8535;
10922 Prairie Village Drive, Omaha, NE 68144

NEW MULTI-COLOR RADIO FREQUENCY CHART

A new multi-color chart showing all United States radio frequency allocations has been prepared by the United States Department of Commerce's Office of Telecommunications in cooperation with the President's Office of Telecommunication Policy.

The chart reflects the major changes that have been made among frequency allocations since 1969. This chart will inform the viewer to what activity and to what service a given frequency band is assigned.

Copies of the 3-1/2 x 4-1/2 foot wall chart are available for \$1.35 each from the Superintendent of Documents, United States Government Printing Office, Washington, D. C. 20402.

John Orr, WØPHW

RECENT CONTRIBUTORS

Ham Hum Postage

Paul G. Taylor, KØBSV
Wendell K. Wilson, WØOOX

Repeater Fund

old F. Layher, WØPCC
Joe Nanos, KØKES
Midland International Corporation
LCDR David A. Wells, K5QJG

Thanks to all!

December 1975

ADDITIONS TO ROSTER

David L. Daniel, WAØSVO
6728 South 52nd Street
Omaha, Nebraska 68117
Phone: 734-3672

Rev. Frank E. Dunn, Jr., WBØJAX
6613 Spaulding Street
Omaha, Nebraska 68104
Phone: 558-4759

Eric C. Juhre, WBØARZ
2611 Forbes Drive
Omaha, Nebraska 68123
Phone: 292-3081

Jean J. Kiser, WNØQAY
6178 Shirley Street
Omaha, Nebraska 68106
Phone: 553-1321



"Quick! Tell him its *ME!* Tell him it's *ME!*"



Hi
Industry



Christmas

Dear fellow
"Hams":

Thanks for your
patronage in '75.

Best wishes for
the coming year,
and may you all
have a joyous
Christmas



ae
wøijk

ae mc millan

C L O S E D
Dec. 21 Thru Jan. 5

BOX 864

1601 AVE. "D"

PHONE:

(712) 323-0142

Council Bluffs, Iowa -51501

STORE HOURS ARE: TUES.-WED.-FRI. NOON TO 5 P.M.
THURS. NOON TO 8 P.M. & SAT. 9 AM TO 5 P.M.

AK-SAR-BEN RADIO CLUB, INC.
P. O. BOX 291
OMAHA, NEBRASKA 68101

1976 CODE AND THEORY CLASSES

Volunteer members of the Ak-Sar-Ben Radio Club, Inc. will again conduct code and theory classes in 1976.

Sessions will be held Monday and Thursday evenings at 7:30 P.M. each week beginning January 5, 1976 and will continue for fifteen weeks with the last session on April 15, 1976. The place: CREIGHTON PREP, 7400 Western Avenue, Omaha, Nebraska (use west parking lot).

There will be two Code Classes and two Theory Classes conducted concurrently each class night for those preparing for novice privilege; there will be one Code Class and one Theory Class each class night for those preparing for advanced (general and above.)

Following is an outline for the study courses:

NOVICE

Code on Monday nights; theory on Thursday nights.

Jan. 5 & 8	Introduction to Amateur Radio
Jan. 12 & 15	Introduction to Amateur Radio
Jan. 19 & 22	DC Circuits and Components
Jan. 26 & 29	DC Circuits and Components
Feb. 2 & 5	AC Circuits and Components
Feb. 9 & 12	AC Circuits and Components
Feb. 16 & 19	Transmitters
Feb. 23 & 26	Transmitters and Measuring Input Power and Adjustments
Mar. 1 & 4	Receivers
Mar. 8 & 11	Antennas
Mar. 15 & 18	Rules and Regulations
Mar 22 & 25	Rules and Regulations
Mar. 29 & Apr. 1	Review
Apr. 5 & 8	Review
Apr. 12 & 15	Review

ADVANCED

Theory on Monday nights; code on Thursday nights.

Jan. 5 & 8	DC Theory
Jan. 12 & 15	Inductance
Jan. 19 & 22	Capacitance
Jan. 26 & 29	Tuned Circuits and Filters
Feb. 2 & 5	Review
Feb. 9 & 12	Tubes
Feb. 16 & 19	Transistors and Diodes
Feb. 23 & 26	Transmitters
Mar. 1 & 4	Transmitters
Mar. 8 & 11	Transmitters
Mar. 15 & 18	Receivers
Mar. 22 & 25	Antennas and Transmission Lines
Mar. 29 & Apr. 1	Rules and Regulations
Apr. 5 & 8	Rules and Regulations
Apr. 12 & 15	Review

Instructors for novice class will include: WBØMKN, Jon; KØDKM, Lloyd; WBØLYU, Bob; WBØBMV, Mike; WAØGQG, Steve; WAØORC, Harold; and WBØLKE, Tom. Instructors for advanced class will include: KØKES, Joe; WAØDHU, Bob; and WAØGQG, Steve.

The ARRL License Manual will be used as the textbook for the novice class; the AMECO Amateur Radio Theory Course textbook will be used for the advanced class.

NO FEE — NO PRIOR REGISTRATION — ANYONE WELCOME TO ATTEND

COMMITTEE ASSIGNMENTS
1976 ARRL MIDWEST DIVISION CONVENTION
OCTOBER 8-9-10, 1976
SPONSORED BY AK-SAR-BEN RADIO CLUB, INC.

1. General Co-Chairmen - Marty Griffin
- Mike McAllister
2. Treasurer - Gary Maples
Responsible for all financial transactions regarding convention. Establishes AD rates. Approves rental rates from all exhibitors.
3. Secretary
File all correspondence regarding convention. Write and submit letters by treasurer and co-chairmen. Co-supervisor of all committee secretaries. Coordinate steno supplies between secretaries.
4. Assistant Treasurer (2)
(1) Assist treasurer and establish procedures for registration, mailing etc.
(2) Maintain budget in current status.
5. Big Brothers - Art Gaeth
To coordinate association between Big and Little brothers and arrange special treatment at convention. Maintain records of successful little brothers.
6. Entertainment
Responsible for distribution of door prizes and gifts, banquet program format, Wouff Hong program, Saturday evening entertainment.
7. Program Committee
Responsible for obtaining speakers (demonstrators) and their accommodations and scheduling events and presentations throughout the convention. Necessary support equipment for speakers.
8. Exhibitor Committee
Responsible for all negotiations with exhibitors for floor space, prizes (purchased and donated). Responsible for obtaining program advertising suitable for program. Necessary equipment for exhibitor.
9. Special Interest Committee - Bob Conley
Responsible for coordinating presentations, exhibits of special interest groups, i.e., MARS, RTTY, QCWA and time and space for such activities will be coordinated through exhibitor/program committees.
10. P. R. Committee
Responsible for convention promotion and development of convention printed program. Liaison with Omaha Chamber of Commerce, Mayor of Omaha, Governor of Nebraska. Hospitality and Information booth.
11. Ladies Program
Responsible for entertaining all XYLs attending convention.
12. Hotel Coordinator - Dick Eilers

Please check committees in which you have an interest.

NAME _____ CALL _____

ADDRESS _____

TELEPHONE NOS. (Home) _____ (Work) _____