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Dennis W. Howard  
River Road  
Gendive, MT 59330



AMATEUR RADIO MISSIONARY SERVICE

560 Main Street · Chatham · New Jersey

Winter 1977

RALLY PLANNED FOR  
20TH ANNIVERSARY

Wednesday, March 2nd marks the 20th Anniversary of the founding of ARMS. You are cordially invited to hold some time open that evening between 7:00 P.M. EST and 9:00 P.M. PST (5 hours). This schedule should give everyone time to make a few contacts without interfering with supper (or is it dinner) and Wednesday night prayer meeting. Check 3907 kHz and go from there. We would like to recognize: The most ARMS Member contacts --- The most different ARMS Section contacts --- The most outside contiguous United States ARMS contacts. Send the results of your effort to the Secretary, WBØAKV Ed Andrews, Box 68, Eastlake, CO 80614.

We will anticipate:

- Equipment performance
- Little QRM
- Good propagation
- Good fellowship
- God's blessing

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N O T I C E

We had prepared a notice which essentially said "if you didn't receive this issue of the BEAM it is probably because you did not pay your dues. Or if you are in full time Christian service (and don't pay dues) you did not notify the

ABOUT THIS ISSUE

When one considers the amount of reading one has to do in the daily pursuit of making a living, it is not uncommon to get into the habit of scanning the first two or three pages of a newspaper, magazine, or other document and decide there is nothing of interest so we fail to read on. We would suggest that each of you take the time to go through this issue carefully -- you might be missing something. The inside pages give a pictorial account of the convention at Horn Creek Colorado, a recap of the minutes of the business meeting, a copy of the Revised Constitution of ARMS, some technical information. Page 2 gives pertinent information on where to send news items and dues, when the nets meet, the geographical Section Areas, and who the officers are. We encourage you to contribute, both in writing items for the BEAM and in checking-in regularly to the various nets.

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N O T I C E

Editor that you are still interested in receiving the BEAM. Upon reviewing that notice it appeared that it might not get to those for whom it was intended. So -- we rewrote the notice as follows. "Please check By-Law No. 9 -- Dues."

THE ARMS BEAM  
 published by the  
 Amateur Radio Missionary Service  
 Editor: WBØAKV Ed Andrews  
 Associate: WØETA Chuck Brockmeyer

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ARMS OFFICERS

President - WØETA - Chuck Brockmeyer  
 Vice-president - KØGAZ - Jay Sudenga  
 Secretary - WBØAKV - Ed Andrews  
 Treasurer - K2CAC - Allen Smith

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Send news items, photos and  
 address changes to the Editor,  
 WBØAKV Ed Andrews, Box 68,  
 Eastlake, Colorado 80614.

For Membership information write  
 to the President, WØETA Chuck  
 Brockmeyer, 7135 S. Sherman,  
 Littleton, Colorado 80122.

Send Membership renewals (\$2.00  
 per year) to the Treasurer,  
 K2CAC Al Smith, 24 Smith Drive,  
 Houghton, New York 14744

THE ARMS MOTTO

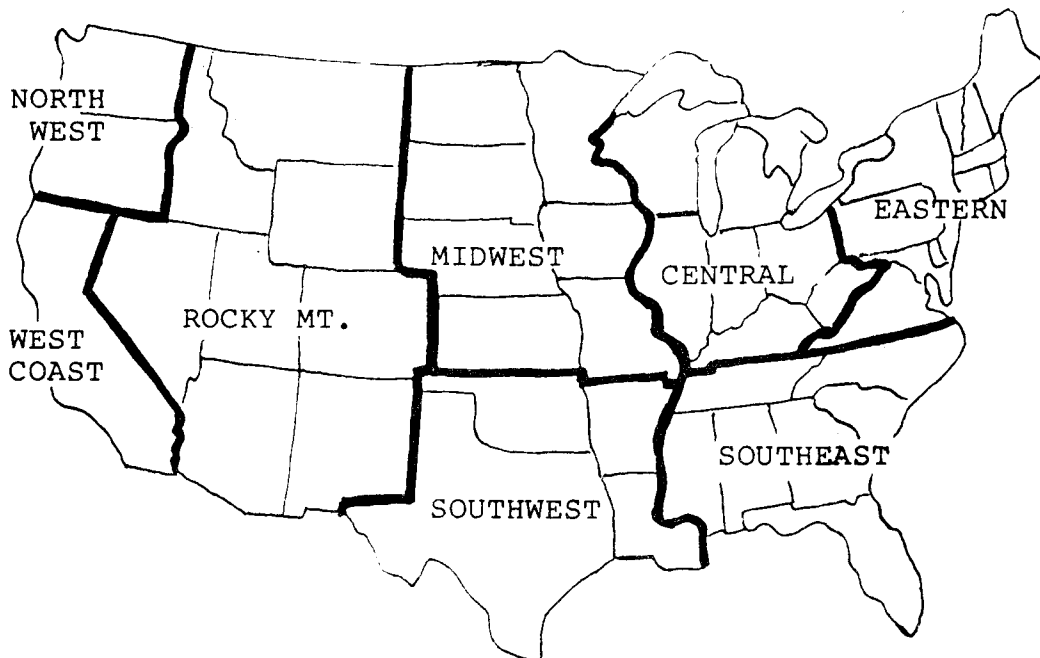
"...let us do good unto all men,  
 especially unto the household of  
 faith." Galatians 6:10

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A R M S N E T S

Eastern M.W.F. 7 A.M. EST 3.907  
 Central Thu. 7:30 P.M. EST 3.907  
 Southeast Thu. 7 A.M. EST 7.260  
 Midwest Sat. 8:30 A.M. CST 3.907  
 Rocky Mt. Sat. 8 A.M. MST 3.907  
 West Coast Sa. 11 A.M. PST 7.285  
 Cross Country Fellowship  
 (Thursday) 9 P.M. EST 3.907  
 Transcontinental  
 (Mon to Sat) 10 A.M. CST 14.307  
 Halo Missionary Net  
 1 P.M. EST 21.390

ARMS SECTIONS



## HORN CREEK CONVENTION HIGHLIGHTS

The 1976 Annual Convention was held at the beautiful Horn Creek Conference Grounds under the majestic peaks of the Sangre De Cristo Range. It was a refreshing, relaxing and inspiring time! Formal activities were kept to a minimum in order to allow everyone an opportunity to take maximum advantage of the mountain scenery, horseback riding, swimming, hiking, or radio and eyeball - to - eyeball QSO's.

The layout of the facility is ideal for an Amateur Radio activity. Each three cabins share a glass-enclosed "Ham Shack". This allowed operating at any hour of the day or night, on any band, without disturbing those who were involved in the less important activities of sleeping, writing, etc. With a separate QTH for each of 80, 40 and 20 meters, but within 100 feet of each other, a great time was had by the participating amateurs. 2 meters got a real workout on 146.52 MHz since none of the area repeaters are accessible from that part of Horn Creek Ranch.

Horn Creek Conference Grounds is a very popular retreat. Half a dozen Christian Colleges and about a dozen national denominational groups and many individual churches use the conference grounds. In fact, from September through May, with the exception of Thanksgiving, all three camps are busy with week-end activities.

### CONVENTION ATTENDEES SEE SLIDES OF BOLIVIA AND RUSSIA

After a delicious meal on Saturday evening, the group went upstairs to the meeting room and were treated to a couple of excellent slide presentations.

Howard Morarie, CP5BV, New Tribes Missionary to Bolivia showed slides of that field. We were thrilled to learn of the joys and sorrows, the triumphs and failures, and the sure knowledge of God's love and care in the Bolivian highlands.

Following Howard's presentation, Sharane and Steven Brockmeyer showed slides of their 10-day trip to Leningrad and Moscow. They brought out pictorially and in their talk the tremendous differences which exist in the public image that the Russians try to portray and the conditions that really exist.

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Silence is golden for the wise and essential for the foolish.

Silence has another advantage: Nobody can repeat what you said.

ATTENDANCE AT THE 1976 ARMS CONVENTION

27 Hams

19 XYLS

18 Harmonics

WBØAKV	Ed & Neva Andrews	Eastlake, CO
WBØAPV	Clarence Rittgers	DeMoines, IA
WØBBO	Al & Myrtle Eklund	McPherson, KS
CP5BV	Howard & Maxine Morarie	Englewood, CO
WØBX	Lee & Corrine McKee	Muscatine, IA
KØEGU	Earl & Margaret Prouse	Temple City, CA
KØELX	Mary Rittgers	DeMoines, IA
WØETA	Chuck & Timmie Brockmeyer	Littleton, CO
9M8FME	Beverly Long	Fruita, CO
KØFMF	Dick Long	Fruita, CO
KØGAZ	Jay & Dottie Sudenga	George, IA
K6GRS	Richard "Brownie" & Regina Brown	Gardena, CA
WAØKXQ/HK3	Paul & Grace Closius	Denver, CO
WØMAD	Les & Rita Davis	Larned, KS
WNØNCN	Duane & Janice Mullet	Louisville, CO
WØNEW	Dar & Ruth Moxness	Lafayette, CO
WØNIT	Don Middleton	Pueblo, CO
WAØNPH	Russ & Louise Karsjens	Marshalltown, IA
WAØOUY	Ed & Lillian Nordell	Worthington, MN
WØQCB	Francis Fink	Cedar Rapids, IA
KØSIV	Merle & Grace Zook	Denver, CO
WAØTCU	Julian "Mac" & Lola Pike	Boulder, CO
WAØTPD	Dave & Patsy Immel	Arvada, CO
KØUBI	Dury & Bea Miller	Shafer, MN
KØUED	Jack Huey	Slidell, LA
WAØYOB	Harold Steinhoff	Sedalia, CO
WAØZON	Ron & Beverly Brunsma	Boulder, CO

AMATEUR RADIO MISSIONARY SERVICE

MINUTES --- 1976

The 1976 business meeting of the Amateur Radio Missionary Service was held at Horn Creek Ranch, Westcliffe, Colorado at 1000 MDST July 10, 1976 with twenty-seven Hams registered for the convention.

The meeting was called to order by the President, WØETA Chuck Brockmeyer. The introductory and welcoming remarks included comments on the words "Bless the Lord O my soul."

KØUBI Dury Miller voiced our opening prayer.

The report of the Nominating Committee was read. The election results were: President, WØETA Chuck Brockmeyer; Vice-president, KØGAZ Jay Sudenga; Secretary, WBØAKV Ed Andrews; Treasurer, K2CAC Al Smith.

Several announcements were given.

The minutes of the previous meeting were read and approved.

The Secretary's Report was read and accepted.

The membership of new members accepted during the year were ratified by the convention: WAØLUV, Dan Nordell; WA6DNT, Bruce Haupt; WA2MVK, Paul Tanner; Assoc., Mrs. James (Gail) Bedell; PJ9SNV, George Zensen; Assoc., Doug Hillis; KL7FDQ, Wayne Leman; WB5ODS, Daryl Sheler; Assoc., Cheryl-Anne Fraser; VE7ANC, Neil Bauman; WA4IOI, David Strain; W9WIG, Robert Dyer; WB6TSF, Richard Schoppe; VE5AF, Randy Patrick; WAØTCU, Julian Pike; WA7WGF, Harold Iverson; WBØSQO, Harry Latham.

President Brockmeyer commented on the activities of the year pointing out the successes and weaknesses of things attempted -- the twenty meter net (propagation difficulties) -- the appointment of section chairpersons -- the procedures for accepting members -- etc.

The Treasurer's Report was read and accepted.

Balance of checking account 6/1/76	\$ 79.01
Balance of savings account 6/1/76	461.79
Total on hand	<u>\$540.80</u>

\$50 of the balance is designated for the printing of an ARMS brochure.

A discussion was held concerning projects for helping missionaries. It was moved, seconded and passed that a committee be appointed to investigate and evaluate the establishment of a fund to provide radio equipment for needy and deserving missionaries. The committee is also to set policies for the allocation of this equipment.

ARMS Minutes 1976

The proposed revised ARMS Constitution, having been presented to the Convention in printed form, was considered.

It was moved, seconded and passed to accept the Constitution as corrected through Article V. There was a recess for lunch.

After lunch consideration of the Constitution was continued. It was moved, seconded and passed to adopt the Constitution as corrected.

The By-Laws were considered. It was moved, seconded and passed to adopt the By-Laws as corrected.

It was moved, seconded and passed to have the Constitution and By-Laws edited to eliminate language that can be construed as implying male or female.

A discussion was held concerning the place of the next membership meeting. It was decided that the President would contact the Eastern section to determine their willingness to host the next meeting.

The meeting adjourned.

Respectfully submitted,

Edward Andrews, WBØAKV  
Secretary

Officers for Midwest Section:

Chairperson	-	KØUBI	Dury Miller
Vice-chper.	-	KØOAV	Don Berggren
Secretary	-	WØEYL	Glen Peterson
Vice-sec.	-	WBØHJG	Dean Nordell
Comm. Mgr.	-	WØLIO	Caleb Gustafson

Officers for Rocky Mountain Section:

Chairperson	-	WAØZON	Ron Brunsma
Vice-chper.	-	WAØTPD	Dave Immel
Sec./Treas.	-	WAØTCU	J. "Mac" Pike

Officers for Eastern Section:

Chairperson	-	W2RJQ	Leonard Van Saun
Sec./Treas.	-	K3RYV	Don Bix

## WØODW HELPS IN GUATEMALA RECONSTRUCTION

I just want to make a report on my trip to Guatemala from the amateur radio operator's standpoint. I was surprised when Guatemala, apparently by return mail, answered my request for a license down there, granting me privileges on all bands. When I got to Guatemala, there was no question concerning my transmitter in Customs, nor when I left, no record of it made whatsoever.

My purpose in going to Guatemala was to help a missionary there build several houses for people in a small town, about 40 miles from Guatemala City, whose homes had been destroyed. The buildings were made of adobe block, which were not very strong. As a matter of fact, you could kick them with your feet and they would turn back into sand. This is part of the reason why the destruction was so great, but it was all they had to build with, I guess, so that's what they used. The new buildings that the missionary put up were cement posts, about 10 ft. apart, and then a wooden triangle for a roof, covered by corrugated iron, and corrugated tin down the sides, and then adobes on the walls from the floor up about two or three feet, and a tin door and a tin window. My brother and I worked on seven of these buildings and they were completed when we left.

On June 1st my brother had his wedding anniversary and he thought he had better try to phone home, so we went by bus to a big city and he tried for over half an hour to get through and the officials who make the phone calls said they just could not get through. So we came home that night and there was our truck parked there and I opened up the lid and I had already strung up a piece of telephone lead-in wire for my antenna, split it so it made a di-pole for about 20 meters and had it up on a 2 x 4 on the roof of the house near us. I got through to the States and everybody there was ready to rally around and get a phone call through to my brother's wife so he could remember her on their wedding anniversary, and I got a phone call through to my wife. We made several contacts this way, just standing out by the front fender of the truck.

It was a joy to serve the Lord down there and I thank the Lord for those of you who prayed for me. -- Art Norris WØODW

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The guy who thinks he knows all the answers  
doesn't know all the questions.

MEET A NEW MEMBER FROM SWEDEN

I am on a tour through the USA enroute to Quito, Ecuador. My goal is to study radio and TV in the US. In Lincoln I met a Ham working with Back to the Bible and he told me about ARMS. I should be very glad to be a member of your organization.

I am working in Sweden as an evangelist in a team, and also with HCJB and their Swedish broadcast from Ecuador to Sweden. In Sweden and the other Scandinavian countries we also have a group of Christian Ham-operators; called NOMIRA which stands for Nordic Missionary Radio Amateurs. We have a special sked for South America and missionaries down there from Sweden and Norway.

I was born in a Christian family. My father and my brother are reverends in the Swedish Covenant Church. When I was 15 years old I received Christ as my personal Savior; and I know that He lives in my heart today.

On my tours through Sweden I often meet Hams and have a great opportunity to talk with them about Jesus. We have a special NOMIRA greeting -- 73 and 6.23. This means special greetings from Ephesians 6:23. You can read it and you will understand.

Hope to hear from you and make a schedule with you.

-- SM7BUA Mats Gunnarsson

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I do regret that the pictorial report of the Convention which was planned for this issue of the BEAM is not ready as yet. We do hope to have it in the next BEAM. We are greatful to WAØYOB, Harold Steinhoff and Sharane Brockmeyer for getting pictures for us.

Thanks, too, to WØETA Chuck Brockmeyer who has done the bulk of the editing work for this issue of the BEAM.

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Little Billy had just returned from Sunday School where they had studied the account of Noah.

"Were you in Noah's Ark?" he greeted his grandfather.

"Course not!" replied his grandfather.

"Then why didn't you drown?" asked Billy.



IT HAPPENED THAT WAY

20 YEARS AGO (1957) March 2, 1977 marks the 20th Anniversary of the founding of the Amateur Radio Missionary Service. It was on that date in 1957 that a group of 16 Amateur Radio Operators met at Philadelphia Bible Institute and organized ARMS. Their first meeting as an organization was held June 1, 1957. The first ARMS BEAM was published in June 1957. (You might want to recheck the Winter 1976 BEAM to see who the officers were.) Many of those original members are still actively carrying on the function for which they organized -- "Christian fellowship on the air and providing communications for Christian Missionaries."

15 YEARS AGO (1962) The ARMS convention was held at Shady Rest Bible Conference, NJ on June 23rd. The New England Section organized at "Isle of Somewhere", Poland, Maine. The officers elected were: K2MFE Louis Clifford, President. W3BPJ Horace Wolf, Vice-president. W3RVY Frank Sanson, Secretary. K3JRD George Jackamonis, Treasurer.

10 YEARS AGO (1967) The Section boundaries for ARMS were established. A 10th Anniversary Rally was held on March 2 on 3907 kHz. KØELX Mary Rittgers and WØLSF Don Peterson took over Editorship of the BEAM from W2RJQ Leonard Van Saun who had been the Editor for seven years. The annual meeting of ARMS was held at Goshen College, Goshen, Indiana in June.

5 YEARS AGO (1972) The 1972 ARMS convention was held June 23, 24 & 25, 1972 on the beautiful 87 acre campus of Northwestern College on the shores of sparkling Lake Johanna just north of St. Paul and Minneapolis at Roseville, Minn. The officers elected were: President K4RBZ Gerry Brunk. Vice-president KØGKR Charlie Cox. Secretary WØETA Chuck Brockmeyer. Treasurer WØJAQ Gene Iliff.

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You might have thought that Bangladesh was a geographic location, but it is really what an Italian motorist does when his car radio doesn't work.

A thing well SAID is beautiful.

A thing well DONE is believable.

## STILL MORE ON COAX !

Have you ever wondered where "RG-9B/U" coaxial cable came by that particular name? Or why a type "N" connector is used with it? A coaxial cable can only wear the RG brand if it meets U.S. Government specifications. The RG designation comes from a U.S. Navy coding system which was developed to be compatible with the Federal Stock Lists whereby the government keeps track of its inventory.

There is no significance in the letters, but RG/U means coaxial cable in any government list and UG always means coaxial connectors.

- R - means radio frequency,
- G - means government
- 9 - is the number assigned to the Government approval,
- B - is the specification modification or revision,
- /U - means it is a universal specification.

The numbers in the designation has no significance other than to tell the order in which the cables were approved by the military. They have nothing to do with the size or characteristics.

Connectors are somewhat more interesting in this respect. The old "UHF" connector was developed and used during World War II when 200 MHz was Ultra High Frequency! As higher frequency systems were developed, the need for better connector performance resulted in the type N, HN, C, BNC, TNC, etc.

The type N connector was developed by and named after a man from Bell Telephone Laboratories whose name was Neill. The HN is a higher voltage version of the N. The C type connector was named after its developer, Carl Concelman. The BNC was developed jointly by Concelman and Neill who modified the old type B connector. No one seems to know where the type B came from. The threaded version of the BNC became the TNC. Although the new precision connectors in 7mm and 14mm have better performance characteristics than the old lettered connectors, they don't have the romantic appeal of having been named after someone.

--- WØETA