



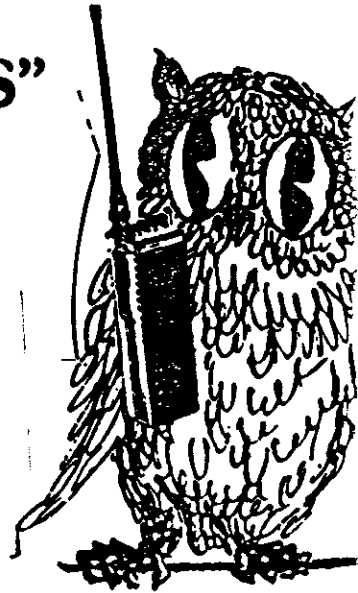
**"THE U.S.E.C.A. EXPRESS"
 UTICA-SHELBY EMERGENCY
 COMMUNICATIONS ASSN.
 MACOMB COUNTY
 147.18/78**



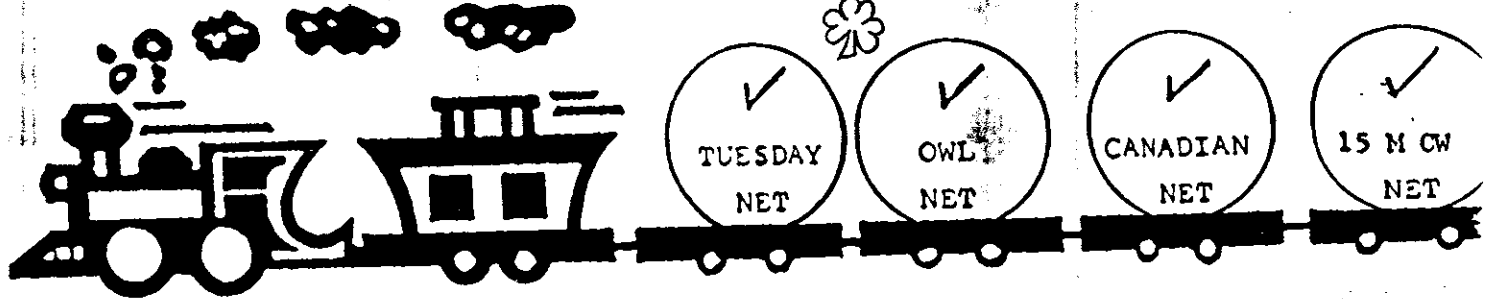
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MARCH 88

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60/40	Mike Thomas K8BBMY

f Founder c Charter h Hon. Charter

KABKTV f c SK	N8HCT f c
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W8MFN f c	W8NHT f c
K8OLM f c	K8BDG c
W8QNI c	W8VZZ c
K8WOT c	N8FDN c
N8BK h	W8OSF h
K8VYV h	N8AWV h
J.Haubner c	G. Marquardt h

POINT NETS

Sun. 1300 EST	147.78/147.18
Tue. 2000 EST	147.78/147.18
Thu. 1930 EST	21.165 CW
Fri. 2359 EST	147.78/147.18

OTHER NETS

Sun 2200 EST	21.125 CW
Mon. 2200 EST	21.125 CW
Tue. 2100 EST	28.400 SSB
Tue. 2200 EST	21.125 CW
Wed. 2200 EST	21.125 CW
Thu. 2200 EST	21.125 CW
Fri. 2200 EST	21.125 CW

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N8FNO	John Wuestewald
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N8BK	Bob Krause
W8BG	Bob MacAuley
W8BH	Gordie Tuzinski
WABZ	Chuck Boyer
K8JP	Joe Pontek
W8BB	Bob Karpinski

U.S.E.C.A. VE'S

WABZ	Chuck Boyer
N8BU	Harold Weller
W8BF	Don Beckmon
W8BH	Gordie Tuzinski
N8ZR	Steve Putman
K8BF	Doug Kaherl
W8GDT	Ralph Irish
NX8V	Alex Romig
NW8M	Al Harbour

MINUTES OF U.S.E.C.A. MEETING FEBRUARY 9,1988

- N8FNZ Opened meeting at 7:30
N8GMA Motioned supported by KB8ABG that minutes from last meeting be accepted as printed in the "Express". Motion carried.
N8FNO Read the financial report.
N8VDA Motioned that report be accepted as read, supported by N8ZR. Motion carried
N8EWG Gave technical report and stated that the amplifier should be on the repeater in about a month.
WD8IWE Reported that 3 new members joined the club. They are WQ4I, KB8DWJ/KT and KB4FXI. A warm welcome to each of you. We also had as visitors, N8FOW, KB8DRZ, Mike Prevost, and Nancy Sawaza. Thank you for being with us.
WD8PFX Asked for volunteers to help his school girls make up propagation posters. N8ZR and N8IFA answered the call. Thanks fellows.
WA8APX Stated that the repeater 'cookbook' should be available to the members in about 2 months.

New Business

- N8HTV Motioned supported by WB8QNI that board meeting minutes be published in the 'Express'. After discussion, the motion was voted down by the members.
N8GOV Discussed the "Wave Guide" publication, it's purpose and benefits as a supplement to radio clubs papers and news letters.
N8FNO Won the 50/50 drawing.
Marian Macauley won the 60/40 drawing. Give the girl her money Bob.
Meeting adjourned at 8:16 p.m. followed by a very informative talk on transmitter hunts and equipment needed to be a winner, given by Al Hart, W8DR. You have probably given a few guy's the incentive to get some projects going Al. Thanks for a fine presentation. 73's to all.

Respectfully submitted,
WB8ITJ Secretary

+ + + * * * * * + + +

PRESIDENT'S REPORT

Those of you desiring to participate in emergency communications, in conjunction with the UTICA-SHELBY POLICE DEPT., can contact me for more information about training. We need people who are willing to dedicate time and energy in this project. **THIS WILL NOT BE A SOCIAL AFFAIR,** - but rather an essential and serious program. If you are in doubt, please check your own priorities, to be sure that you do want to commit to this vital aspect of amateur radio, which reflects the basic theme that we hold as amateurs, and substantiates our existence as such. Think it over.

Also, there may be times when the repeater will not have all functions available due to malicious interference. We hope that all members will understand and bear with us when this happens. Thank you.

Chuck, WA8Z ... (N8FNZ)

CREDITS

We wish to thank the following for their contribution to this issue:

WA8Z, WD8IWE, WB8ITJ, WB8QNI, NW8M, K8CFY, ARRL FIELD FORUM,
THE WIRELESS, & AMSAT

SHOOT TO KILL is a good action film, starring, the too-long absent, Sidney Poitier. Tom Berenger (Platoon) and Kirstie Alley (Cheers) round out the "Good Guys". Its a robbery-murder-hostage film which doesn't stint on action or suspense. Rated R for violence and language. RST/488

guide to movies

GOOD THRU APRIL 30, 1988

ACTION JACKSON (R) Drama

An undisciplined police sergeant becomes obsessed with solving a string of violent killings surrounding an auto industry tycoon. Stars: Carl Weathers, Craig T. Nelson.

BARFLY (R) Drama

A story about the wayward adventures of an alcoholic writer living in downtown Los Angeles. Stars: Mickey Rourke, Faye Dunaway.

BILOXI BLUES Comedy Drama

Sequel to Neil Simon's "Brighton Beach Memoirs" where young Eugene learns about life as a young Jewish recruit in World War II. Stars: Matthew Broderick, Christopher Walken, Casey Siesmaszko.

BRIGHT LIGHTS, BIG CITY Drama

The film version of the critically acclaimed novel by Jay McInerney about a young staff researcher at a prestigious magazine who spends his nights at Manhattan's top clubs. Stars: Michael J. Fox, Kiefer Sutherland, Dianne Wiest, Phoebe Cates.

BROADCAST NEWS (R) Romantic Comedy

A James L. Brooks' film set in the world of television news correspondents. Stars: William Hurt, Albert Brooks, Holly Hunter.

BUY AND CELL Drama

A yuppie stockbroker behind bars learns that the prison population is no different from anyone else. Stars: Robert Carradine, Malcolm McDowell.

CASUAL SEX Comedy

A comedy about two female pals who go on vacation at an exclusive health spa. Stars: Lea Thompson, Victoria Jackson.

COP Suspense

A West Hollywood police detective is on the trail of a serial killer. Stars: James Woods, Lesley Ann Warren, Charles Durning.

THE COUCH TRIP (R) Comedy

A recent guest of a prison mental facility poses as a psychiatrist and becomes the enormously successful host of a popular Los Angeles dial-a-shrink call-in show. Stars: Dan Ackroyd, Charles Grodin, Donna Dixon.

DESTINY Drama

A cross-continental thriller about two soldiers who are split apart by a woman. Stars: William Hurt, Timothy Hutton, Stockard Channing.

EIGHTEEN AGAIN Comedy

A comedy based on George Burn's 1980 hit song "I Wish I Was Eighteen Again." Stars: George Burns.

EMPIRE OF THE SUN (PG) Drama

A story of an English schoolboy who is imprisoned in Japan during World War II and becomes a source of hope for his fellow prisoners. Stars: John Malkovich, Miranda Richardson, Nigel Havers, Christian Bale.

FOR KEEPS (PG-13) Romantic Comedy

A story about two teenagers who prove that love and good humor can beat the odds that say teenage marriages can't work and teenage parents are bound to fail. Stars: Molly Ringwald, Randall Batinkoff.

GOOD MORNING, VIETNAM (R) Comedy Drama

An Armed Forces Radio disc-jockey is sent to Saigon on the eve of the Vietnam conflict to boost the morale among the troops. Stars: Robin Williams, Forest Whitaker, Richard Edson.

HAIRSPRAY Musical Drama

Set in the early 1960s in Baltimore, a musical about lunatic teenage celebrities, their redneck stage mothers and their quest for mental health. Stars: Divine, Debbie Harry, Jerry Stiller, Sonny Bono.

IRONWEED (R) Drama

A depression era baseball player returns to his hometown to try and resolve the tragedy that drove him away years earlier. Stars: Jack Nicholson, Meryl Streep, Fred Gwynne, Michael O'Keefe.

JULIA AND JULIA Drama

An offbeat story of a woman whose husband is killed in an automobile accident on the day of their wedding, but in her dreams she is able to go back to before the fateful day and experience love and passion. Stars: Kathleen Turner, Sting, Gabriel Byrne.

THE LAST EMPEROR (PG-13) Drama

The true story of China's last emperor, Pu Yi, who must come to terms with his own identity as well as his country's. Stars: John Lone, Joan Chen, Peter O'Toole.

LITTLE NIKITA Drama

The story of an FBI agent whose startling discovery forces a teenage boy to choose between his love for his family or his love for his country. Stars: Sidney Poitier, River Phoenix.

THE MILAGRO BEANFIELD WAR Drama

Directed by Robert Redford, a story about a battle over land rights between greedy developers and Chicano field workers. Stars: Melanie Griffith, Daniel Stern, Christopher Walken.

MOONSTRUCK (PG) Romantic Comedy

The daughter of an Italian family agrees to marry a stuffy bachelor only to fall for her fiance's unsophisticated brother. Stars: Cher, Nicholas Cage, Danny Aiello.

OVERBOARD (PG) Romantic Comedy

A society gal falls off a yacht, loses her memory and is duped into playing the wife of an uncomplicated carpenter with a herd of unmanageable kids. Stars: Goldie Hawn, Kurt Russell.

PASS THE AMMO (R) Comedy Drama

A pair of lovers attempt to steal back money from a corrupt television evangelist who has bilked a family of their fortune and left them destitute. Stars: Linda Kozlowski, Bill Paxton, Tim Curry, Annie Potts, Anthony Geary.

PUNCHLINE Romantic Comedy

Two standup comics love and laugh their way through comedy clubs in New York and Los Angeles. Stars: Tom Hanks, Sally Field.

RENT-A-COP (R) Drama

A story about a Los Angeles detective who quits the force after being falsely accused in a shady drug bust and forms his own security agency. Stars: Burt Reynolds, Liza Minnelli, Dionne Warwick, James Remar.

RUNNING ON EMPTY Drama

Two '60s radicals are wanted by the FBI for blowing up a building. Stars: Judd Hirsch, Christine Lahti, River Phoenix.

THE SERPENT & THE RAINBOW (R) Suspense

An eerie story about a sensual Haitian doctor and a Harvard professor who get caught up in strange events in the Haiti of "Papa Doc" Duvalier. Stars: Bill Pullman, Cathy Tyson.

SHE'S HAVING A BABY (PG-13) Comedy

A story about a young married couple who are expecting a blessed event. Stars: Kevin Bacon, Elizabeth McGovern.

SHOOT TO KILL (R) Action Adventure

A city-wise government agent goes deep into the Montana mountains to track an escaped felon. Stars: Sidney Poitier, Tom Berenger, Kirstie Alley.

SPLIT DECISIONS Drama

A story about three generations of New York City boxers, family conflict, divided loyalties and the hard-hitting "Split Decisions" that take place. Stars: Gene Hackman, Jennifer Beals, Craig Sheffer, Jeff Fahey, John McLiam.

SUNSET Comedy

A story about Tom Mix, the legendary movie cowboy in the early days of Hollywood and Wyatt Earp who become friends and together solve a murder mystery. Stars: Bruce Willis, James Garner.

SWEET LIES Comedy

A comedy about an insurance investigator whose work takes him to Paris where he meets a precocious teenager and two seductive grown-ups. Stars: Treat Williams, Joanna Pacula, Julianne Phillips.

SWEETHEART'S DANCE Romantic Drama

A story about two childhood friends, a building contractor and a high school principal, and their turbulent love lives. Stars: Don Johnson, Susan Sarandon, Jeff Daniels.

SWITCHING CHANNELS Drama

A scheming journalist tries to woo back his ex-wife who has given up both him and the business for a more reliable fiance. Stars: Kathleen Turner, Christopher Reeve, Burt Reynolds.

THREE MEN AND A BABY (PG) Comedy

A contemporary comedy that chronicles the adventures of three bachelors trying to cope with a baby left unexpectedly at their doorstep. Stars: Tom Selleck, Steve Guttenberg, Ted Danson.

WALL STREET (R) Drama

A story of Wall Street corruption as experienced during the rise and fall of a young stock trader. Stars: Michael Douglas, Charlie Sheen, Daryl Hannah, Martin Sheen.

From the ARRL Letter

By The American Radio Relay League, Inc.
Editor: Phil Sager, WB4FDT

10 KW CB AMPLIFIER SEIZED

On December 4, after conducting a lengthy investigation, the FCC Atlanta Office along with the US Marshal's Service, seized an estimated \$10,000 worth of electronic equipment, including a 10-kW linear amplifier, from the residence of Althurf Fort, in Ellenwood GA, according to an FCC Public Notice. The use of this equipment is prohibited under section 301 of the Comm. Act, and FCC Part 95. Penalties include fines of up to \$100,000 and imprisonment. This is part of a program by the FCC to curtail operation of illegal CB equipment.

LOCAL CATV PACT INCLUDES HAM OPERATORS

The city of Torrance, California has written protection for Amateur Radio operators into the franchise agreement between the city and the local cable TV company, Paragon, Inc. The wording of the new agreement is as follows: "Amateur Radio frequencies shall not be used on the cable system unless such channel capacity is needed to provide service to Paragon's customers. In such instances, such channels are to be used solely for alphanumeric services...If after utilizing such channels for alphanumeric services...channels are needed to provide other services and there is further need for other video transmissions, Paragon can use these channels after consultation with the city". This agreement was drawn up by the City Manager and the City Attorney. Thus, if there are any vacancies on the 60-channel cable system, the ham frequencies will be assigned to those vacancies beginning with channel E, followed by channels J, K, WW, and XX, in that order. Channel E is in the amateur 2-M band, J and K are near the lower end of the 220 band, WW and XX are in the 2440 band.

COMMISSION SHORTAGE

The FCC, which is supposed to consist of five members, is now down to three. The FCC had been one member short since last April with the departure of Mark Fowler, and since Mimi Weyforth Dawson was sworn in as Dep. Secy. of Transportation last week, is functioning with only three members at the present time. Three commissioners do, however, constitute a quorum, so the Commission will continue to take action on issues under consideration. The White House has nominated Bradley Holmes, 34, a former aide to FCC Chairman Dennis Patrick and Chief of the Mass Media Bureau's Policy and Rules Division, to take over Fowler's seat. Washington attorney Susan Wing has been nominated to complete the term vacated by Dawson and to serve a full term of her own.

WIND PROFILER RADAR UPDATE

The decision on placement of the Wind Profiler Radar system in Egbert, Ontario has been made. After consultation with Egbert area repeater group representatives, as well as other users of the 430- to 450-MHz band, the DOC decided to locate the radar at 441.0 MHz. As previously stated in the ARRL Letter, the high cost of the radar may delay installation for up to two years.

RED CROSS AMATEUR RADIO FLOAT

Did you notice the Amateur Radio station in the Tournament of Roses Parade? W6KA was scheduled to operate on 20, 15 and 10 meters from the American Red Cross "Images of Hope" float. The float's radio station calls attention to the important role Amateur Radio operators play by providing emergency communications during times of disaster.

AMATEUR RADIO IN YOUR SCHOOL

The ARRL Education Task Force (ETF) is interested in hearing from you if you have been successful in establishing an Amateur Radio club in an elementary, junior, or senior high school. The ETF wants to know what specific problems you have run into, and what you did to resolve them. Specifically, any information you might be able to provide to assist others in establishing a new club would be helpful. Please write your comments / suggestions to Task Force, c/o ARRL Headquarters.

NO SATELLITE OPERATION THREAT

The Secretary of IARU Region 3 has advised the IARU International Secretariat that, contrary to rumors being circulated in the amateur-satellite community, the Japan Amateur Radio League has no plans to amend its band plan to include terrestrial FM operation in the segment 435-438 MHz.

ARRL PFB NR 3 1/18/88

SOLAR CYCLE 22 IS NOW WHERE CYCLE 21 WAS WHEN ITS SOLAR ACTIVITY FIRST ROSE RAPIDLY. SO FAR IN JAN., CYCLE 22 IS FOLLOWING A SIMILAR PATTERN, THOUGH WITH NOT QUITE THE VIGOR OF ITS PREDECESSOR. ON JANUARY 10 THE SOLAR FLUX REACHED 127, ITS HIGHEST LEVEL SINCE MAY, 1984. WHEN THE SUN WAS IN THE SAME POSITION FOUR WEEKS AGO THE NSOLAR FLUX WAS 91, 36 POINTS BELOW THE JANUARY PEAK.

ACTIVE SOLAR AREAS RESPONSIBLE FOR THIS JAN. PEAK ARE NOW AROUND THE WEST LIMB, OUT OF SIGHT. THE SOLAR FLUX DROPPED TO 120 ON THE 17TH, BUT NEW ACTIVITY HAS DEVELOPED IN THE PAST FEW DAYS, SO NO LARGE DIP SEEMS IMMINENT. AREAS OF THE SUN RESPONSIBLE FOR THE MODERATE ACTIVITY PLATEAU IN LATE DEC. WILL BE WITH US LATER THIS WEEK. JAN. SEEMS WELL ON THE WAY TO A NEW MONTHLY FLUX HIGH, AND ONLY A MODERATE LEVEL OF ACTIVITY IS NEEDED TO BRING THIS ABOUT.

RAPID RISES IN THE SOLAR FLUX USUALLY COME FROM NEW ACTIVE AREAS, AND THEY ARE FOLLOWED BY GEOMAGNETIC DISTURBANCES. THESE TEND TO AFFECT HIGH LATITUDE COMMUNICATION ADVERSELY. THIS HAPPENED IN THE PAST FEW DAYS, BUT PROPAGATION ON TRANS-EQUATORIAL CIRCUITS WAS VERY GOOD AT TIMES. AS PROOF WE OFFER THE FOLLOWING INCREDIBLE STORY. EARLY IN THE EVENING OF THE 15TH WE NOTICED THAT AUSTRALIAN BEACONS ON 28.280 AND 28.262 MHZ WERE COMING THROUGH WITH EXCEPTIONAL STRENGTH. THERE WAS NO UNUSUAL DX ACTIVITY ON 28, SO WE SWITCHED TO 21 MHZ. NOTHING EXCITING WAS HEARD AT FIRST, BUT AT AROUND 2200 UT WE HEARD A VK4 MARITIME MOBILE ENJOYING A CHAT WITH A FRIEND. THE VK4 WAS BOUND FOR THE GALAPAGOS ISLANDS. HIS FRIEND WAS VR6KB. YES, PITCAIRN ISLAND, YET THERE WAS NO

NOISY PILEUP, JUST TWO FRIENDS CHATTING AWAY, AND WITH STEADY SS SIGNALS IN FLORIDA. I LISTENED FOR NEARLY AN HOUR, WONDERING AT TIMES IF I WAS DREAMING. FINALLY, AT ABOUT 2245 THEY SIGNED. WITH ALMOST NO HOPE FOR SUCCESS, VR6KB HAVING DROPPED TO S1, I CALLED HIM AND BACK HE CAME. WE HAD A BRIEF CHAT BECAUSE SIGNALS WERE DROPPING OUT, BUT I'D HAD A QSO I'M NOT LIKELY TO FORGET SOON. MORAL, WATCH FOR RARE SOUTHERN HEMISPHERE DX WHEN THE K INDEX DROPS SUDDENLY, AFTER A GEOMAGNETIC STORM. YOU JUST MAY HEAR SOMETHING EXCITING BEFORE THE PILEUPS TAKE THE FUN OUT OF TRYING.

THANKS TO THE MANY LISTENERS WHO ANSWERED MY REQUEST FOR COMMENTS ON THE PROPAGATION BULLETIN CONTENT. THESE WILL BE ANSWERED SOON.

US SUNSPOT NUMBERS FOR JAN. 7-13 WERE 48-65 WITH A MEAN OF 55.1.

ARRL PFB NR 5 2/1/88

THE SOLAR FLUX WAS IN THE 90S EARLY LAST WEEK, BUT IT WAS BACK TO 106 AT THE MONTHS END. THE JANUARY FLUX AVERAGE OF 109 IS THE HIGHEST MONTHLY FIGURE IN CYCLE 22 THUS FAR AND BACK TO MAY 1984. FLUX RECORDS FOR CYCLES 21 AND 22 SHOW 22 LAGGING SLIGHTLY BEHIND ITS LIVELY PREDECESSOR. THIS WEEK GOT OFF TO A GOOD START WITH THE FLUX AT 109 ON MONDAY, AND HIGHER NUMBERS EXPECTED IN THE NEXT FEW DAYS. RAPID UPWARD MOVEMENT OF THE SOLAR FLUX IS USUALLY FOLLOWED BY INCREASED GEOMAGNETIC ACTIVITY A POOR PROPAGATION IN THE HIGHER LATITUDES. BUT THIS PENALTY MAY NOT BE SEVERE IF THE FLUX RISE IS A GRADUAL ONE. INCREASED GEOMAGNETIC ACTIVITY PREDICTED IN TODAY'S WWV BULLETINS WOULD TEND TO DEGRADE SIGNAL LEVEL ON HIGH LATITUDE PATHS SUCH AS NORTHERN USA TO NORTHERN EUROPE, BUT EUROPEAN 21 MHZ SIGNALS WERE GOOD TODAY AND PROPAGATION WAS GENERALLY GOOD 28 MHZ. ANY SUDDEN LARGE INCREASE IN THE SOLAR FLUX WOULD SIGNAL A CHANGE FOR THE WORSE.

NEW ACTIVE SOLAR AREAS HAVE BEEN SEEN ALMOST DAILY OF LATE. CONDITIONS THIS WEEK ARE EXPECTED TO BE MUCH LIKE THEY WERE IN EARLY JANUARY EXCEPT THAT THE FLUX SHOULD AVERAGE SLIGHTLY HIGHER. PROPAGATION IS LIKELY TO BE ERRATIC BUT THERE WILL BE SOME GOOD TIMES, AND MORE HOURS OF DX ACTIVITY ON THE HIGHER BANDS WITH THE INCREASING LENGTH OF THE DAY IN THE NORTHERN HEMISPHERE. FOR THE BEST TIMES ON THE VARIOUS DX BANDS USE THE PREDICTION CHARTS IN JANUARY QST. THESE ARE FOR USE THROUGH MID FEBRUARY. TO SEE HOW MUCH THINGS HAVE IMPROVED IN A YEAR, COMPARE THESE CHARTS WITH THOSE IN QST FOR JANUARY 1987, PARTICULARLY AS TO USEFULNESS OF THE 28 MHZ BAND.

DE WA2ILB AR...

NPRM 87-389

Reprinted WITH PERMISSION from
Ham Radio Magazine, Greenville, NH 03048-0498,

From the Elk Grove IL BBS
73, N7IKQ, Rusty Carruth

REFLECTIONS

Returning the spectrum to chaos...
Courtesy of the FCC

In the early years of wireless, radio communication was at best a chancy, chaotic business. Broadly-tuned spark-generated signals, received on primitive, unselective receivers, forced operators to wait for a break in the QRM to pass traffic or add their signal to the bedlam in hopes that the intended recipient would pick it up.

In the last 80 years, improved technology and international cooperation have brought order to the radio spectrum. With few exceptions, millions of transmitters in different services operate harmoniously under domestic and international regulations on designated frequencies or bands throughout the spectrum.

It now appears the FCC wants to turn back the clock—at least in the United States—and return much of the radio spectrum to its chaotic origins. In its recent Notice of Proposed Rule Making—General Docket 87-389—the FCC proposes expanded use of unlicensed rf-emitting devices over most of the radio spectrum "without restriction as to bandwidth, duty cycle, modulation technique or application ... " as long as their emissions do not exceed specified limits!

From 1.705–30 MHz, "Intentional Radiators" could generate signals measuring 30 microvolts/meter at a distance of 30 meters with NO limitation for non-digital "Unintentional Radiators". The change in VHF/UHF limits to 100 uV/meter from 30–88 MHz, 150 uV/meter from 88–216 MHz, 200 uV/meter from 216–960 MHz, and 500 uV/meter above 960 MHz, all measured at 3m, is minimal.

Radio Amateurs would need an S9 signal to break through the rf bedlam on 10 to 160 meters. Because VHF/UHF band (signal) limits are already high, the effect won't be so pronounced. But similar problems would eventually occur since this proposal encourages expanding the uses of unlicensed rf generators. Any repeater without CTCSS access might be keyed up continuously and the hand-held range could become severely limited.

This eventual spectrum deterioration would affect more than the Amateur Radio community. All land mobile (police, fire) services, plus paging and radio-relayed telephones, would soon find themselves fighting their way through a cacophony of rf noise. Even the U.S. military, AM, FM, and TV broadcasting, won't escape the havoc this proposal will bring. If your neighbors think your infrequent incursions into their TV viewing are a problem now, wait until they encounter proliferating unlicensed rf generation!

The proposal has some restrictions. A few narrow QRM-free slots would be reserved for radio astronomy, maritime distress, and navigational aids. Most VHF and UHF aircraft bands would be off limits to unlicensed operations, along with a couple

of VHF federal land mobile bands. But for the rest of us, it'll be a problem.

This proposal applies to "Part 15" devices - intentional radiators (unlicensed low-power transmitters) like garage door openers, wireless microphones, and cordless telephones, and unintentional radiators (electronic devices) like computers, TV receivers, cable TV equipment, and VCRs which also emit some RF radiation. Over the years, the rules governing operation of these devices have been piecemeal, complex, confusing, and contradictory. This NPRM attempts to simplify and broaden Part 15 regulations without, the FCC believes, causing undue interference to existing services.

The Commission announced General Docket 87-389 in September with a comment due date of December 4—too late for Amateur publications to review the proposal, its band-by-band summary and errata sheets, and relay the information to their readers with enough response time. Fortunately, organizations like ARRL and ANARC (Association of North American Radio Clubs), a SWL / scanner-user group, realized its importance and petitioned the Commission for an extension which was granted to March 7, 1988.

To tell the FCC of your opposition, file a written comment emphasizing the certainty of crippling interference to most established radio services. In his Comments filed before the original deadline, George Jacobs, W3ASK, noted that the internationally recommended signal-to-noise ratio for shortwave broadcast reception is 27dB. The FCC's proposed interference levels would demand 672 microvolts from international broadcasters. But, Jacobs said, overseas broadcast signals generally run 150 to 500 uV. Radio amateurs are now communicating with a few microvolts.

Ask what "DEMONSTRATED" need there is for proliferation of such devices throughout the radio frequency spectrum. If a variety of frequencies for Part 15 devices is necessary, why not set aside specific frequencies or bands for them as was done with industrial, scientific and medical bands.

Point out that current techniques allow excellent frequency control and easy, economical transmission of large amounts of data in relatively narrow bandwidth. Why then, must so much spectrum be accessible to Part 15 use? Why shouldn't proper shielding be required to reduce Part 15 unintentional radiation to acceptable levels? Why should the licensed users of the spectrum be forced to carry the burden for poorly designed and manufactured consumer goods?

You'll think of more arguments to include with your Comments on General Docket 87-389, but whatever points you choose to emphasize, be sure the FCC knows how strongly you oppose it!

How to get your comments to the FCC: Type "Comments - General Docket 87-389" at the top of an 8-1/2 x 11 sheet of paper, state your argument, and end with your complete name, call sign, and address. If using more than one page, be sure to put the page number, your name, and the Docket number on each. Send it to Mr. William J. Tricarico, Secretary, Federal Communications Commission, 1919 M. Street, NW, Room 222, Washington, D.C. 20554 - preferably with the original and 11 copies (one for each commissioner). If you don't have access to a copier, your single submission will still make a difference. Remember, "WE MUST FIGHT THIS PROPOSAL". Your comments must reach the Commission before March 7, so why not start writing now?

TVI Shoes

We may never stop marveling at the varied sources of RF!! The following appeared in Zimbabwe's Harare Herald.

Zimbabwe is a south central African nation, formerly called Rhodesia.

A strange source of TV and FM radio reception interference was discovered there. According to a spokesman for three leading footwear manufacturers, the TVI source was traced to the shoes worn by viewers and listeners!

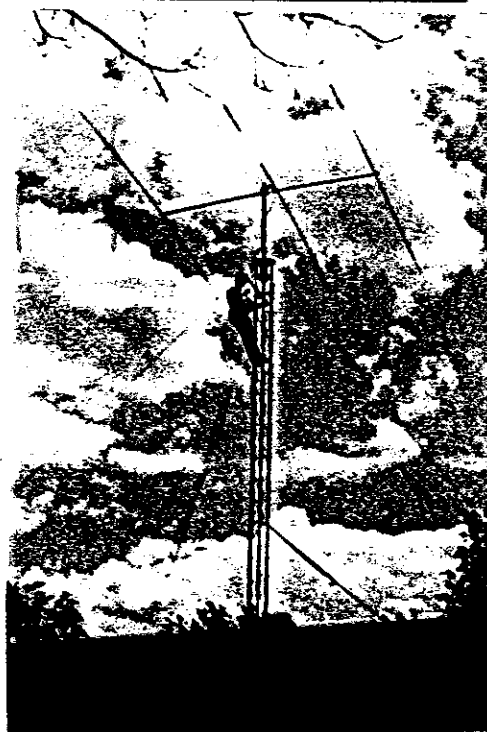
The problem is confined to some shoes made during the last two years using hides from cattle and elephant that came from drought-stricken areas. Because of the lack of grass, the animals were forced to eat a certain type of weed that contained a large concentration of aluminum salts.

Acting as tiny transistors, the components of the contaminated hides interacted and set up static discharges on shoes that were worn in dry carpeted rooms. Viewers and listeners were forced to move their feet to stop the TVI.

The "radio shoes" came to light, the Harare Herald said, when a senior technical executive of one of the shoe companies was dancing to FM "Radio Three" in his living room. He was astounded when, as he moved back and forth, the FM radio interference level synchronized with his dancing. Discreet contact with other shoe companies confirmed his suspicions.

73 Amateur Radio • February, 1988

Think Field Day!



TRANSPOLAR SKITREK PROGRESS REPORT #1: February 1, 1988
 For Use With The AMSAT Teachers Guide
 "Exploring The High Arctic From Your Classroom"

Preparations for the Transpolar Skitrek continue as the Digitalker on Uosat Oscar 11 is being tested. Thousands of classrooms around the world are receiving the AMSAT teachers guides and will be following the expedition through the use of follow-up progress reports like this one. Progress Reports will be read on AMSAT nets, inserted into packet radio networks and will appear on the WORPK AMSAT BBS.

Dimitri Shparo, UA3AJH, expedition leader, was in Canada last week while the Skitrek communications team from the CRRL under the leadership of Tom Atkins, VE3CDX, visited the Russian communications team and the UoSAT team at Surrey.

Canadian skiers Richard Weber, V8RU and Laurie Dexter, VE8LD have been granted special amateur radio operator status for the trek and the suffix of their calls is also their initials. The support station at Resolute has been given the special call C18C. Operators of the station with V88 calls may use this C18 prefix when communicating from the station. Support communications with the skiers will mostly take place on the 80 meter band with general communications on the 80, 40, and 20 meter bands. No QSO'ing with the skiers will be possible due to the limited life of their 10 watt rigs' lithium batteries. Those who contact Resolute may QSL to P.O. Box 313, Don Mills, Ontario M3C 2S7. The Resolute C18C station will become active in mid February.

Why not test out your HF capabilities in the Resolute direction by QSO'ing with Bob James, VE6DX, who lives at Pond Inlet on the northern shore of Baffin Island. He is several hundred miles east of Resolute at latitude 73 degrees N. Bob often can be found on the 20 meter band at 14.181 MHz.

UoSAT OSCAR 11 DIGITAL SCHEDULE DURING THE SKITREK
 Official UoSAT Team plan as of 1/29/88:

Experience with classroom reception of UoSAT suggests that for a typical 'pass', the clear reception period lasts around three to four minutes, so we have put together a schedule with this in mind.

The following schedules are what we intend to use:

DAILY SCHEDULE: From loading the weekly bulletin (Thursday) until the following Wednesday.

| | | | | |
|---|------------|------|------------------|-------------|
| TELEMETRY | 60 seconds | then | DIGITAL | 60 seconds |
| STATUS POINTS | 15 seconds | then | BULLETIN | 120 seconds |
| DIGITAL | 60 seconds | then | WHOLE ORBIT DATA | 240 seconds |
| DIGITAL | 60 seconds | then | DCE TITLES | 60 seconds |
| Repeated... Total cycle time 11.25 minutes. | | | | |

Wednesday will remain as EDUCATION DAY with the following schedule:

| | |
|------------------------------------|-----------------------------|
| 00:00 hrs UTC until 14:00 hrs UTC: | |
| TELEMETRY | 150 seconds |
| Repeated... | Total cycle time 3 minutes. |
| | then DIGITAL |
| | 30 seconds |

14:00 hrs UTC Wednesday until the bulletin is reloaded on Thursday:
 WHOLE ORBIT DATA 120 seconds then DIGITAL
 Repeated... Total cycle time 3 minutes.

This may change....watch the Progress Reports for details. See the guide introduction as to how to receive Progress Reports.

* * * * *

TRANSPOLAR SKITREK PROGRESS REPORT #2: February 5, 1988

Prepared by Rich Ensign, NS1WJ AMSAT Science Education Advisor
 For Use With The AMSAT Teachers Guide
 "Exploring The High Arctic From Your Classroom"

The final two Canadian skiers in the Transpolar Skitrek Expedition have been announced by expedition leader Dr. Dimitri Shparo, UA3AJH.

Dr. Maxwell Buxton, M.D., a practicing physician from Calabogie, Ontario. He is an experienced cross-country skier and backpacker and is 31 years old.

Christopher Holloway, a computer technician from Chelsea, Quebec is 30 years old and is also a well qualified backpacker and cross-country skier.

These two complete the full complement of four Canadians participating in the expedition. Profiles of the first two Canadian skiers may be found in the guide. Dr. Shparo's profile is in the guide as well. Here is information about two key Russian expedition members.

Dr. Mikhail G. Malakhov, M.D. is Medical Chief of the expedition. He is Assistant Professor at the Raizan Medical Institute and is 53 years old. Dr. Malakhov is married and has two sons.

Dr. Yuri I. Khmelevsky, Ph.D., has his degree in mathematics and is Scientific Director of the expedition. He travelled to the North Pole with Dr. Shparo's 1979 expedition. Dr. Khmelevsky is 50 years old, married and has two daughters and one son.

* * * * *

Additional topics/questions to be explored in the classroom with the aid of an amateur radio operator:

1. How can short wave (HF) signals travel such long distances? Explore the term propagation.
2. What is the aurora borealis (northern lights)? What causes this phenomenon? What effect will the aurora have on northern communications? Is there a southern lights that could effect communications in the Antarctic? What is "Arctic Flutter"?
3. Can you become adapted to the -50 degrees C. dry cold of the arctic?
4. Why can Arne Christensen and his class in Gistrup, Denmark monitor Uosat Oscar 11 ten times a day while Bindu Rao in Bangalore, India can only pick it up on four or five passes per day?

Can you think of additional topics/questions/concepts to explore beyond those listed here and in the guide? If so, write and tell us what you have in mind.

* * * * *

Progress Reports like this one may be accessed via packet BBS, AMSAT Nets and the main educator source, the WORPK AMSAT Bulletin Board (1-515-961-3325). Progress Report #3 will be issued on February 12, 1988.

OMBUDSMAN

OM' BUDS. MAN, n; - An appointed public official who investigates activities of government agencies that may infringe upon the rights of individuals .

Well, so much for WEBSTER-- (20th Century 2nd edition, unabridged) . -

As far as we are concerned, our new Ombudsman, - WALT GRACEY, WB8E - is simply our troubleshooter - complaint dept. if you prefer. Got a problem? gripe? complaint? Not happy about something pertaining to our organization (useca)?- Well, shoot it to Walt, and be assured , if you prefer, of confidentiality and remaining anonymous.



RENEWAL TIME



Well it's that time of year again . . . time to think of membership renewal. The dues were due in January for 1988. It would make my job easier if you renew early rather than wait till the last minute. Just fill out the enclosed application and send it along with a check made out to U.S.E.C.A. to USECA INTERNATIONAL P.O. BOX 1222 STERLING HGTS. MI 48311-1222 or if you wish you may renew at any of the regular meetings.

There will be a new roster coming out soon, make sure your name and call is on it by renewing your membership before the 90-day grace period expires on March 31.



73
Shirley W8SIWE



UTICA-SHELBY EMERGENCY COMMUNICATIONS ASSOCIATION
P.O. BOX 1222, Sterling Hgts. MI 48311-1222

WELCOME TO THE ALPHABET CLUB :

WB8B BOB (N8IFA)
WB8E -WALT --(KA8TOV)
WB8F -DON (KD8VJ)
WB8G -BOB = (WB*WVF)
WB8H GORDIE- -(WB8WWT)
WA8Z -CHUCK -(N8FNZ)

DATE.....[] NEW APPLICATION [] RENEWAL
CALL.....CLASS.....AUTO-PATCH.....
NAME.....
ADDRESS.....
CITY.....ZIP.....
TELEPHONE.....LISTED IN ROSTER [] YES [] NO
BIRTHDATE.....ARRL MEMBER [] YES [] NO
SPOUSE'S NAME & CALL.....
[] COPY OF CURRENT LICENSE FOR U.S.E.C.A. FILE
SPONSORED BY.....

Annual Membership Dues Regular \$15 Family \$25
Autopatch Privilege \$25 (one time fee) plus Annual Membership Dues

Rev. 9/28/87

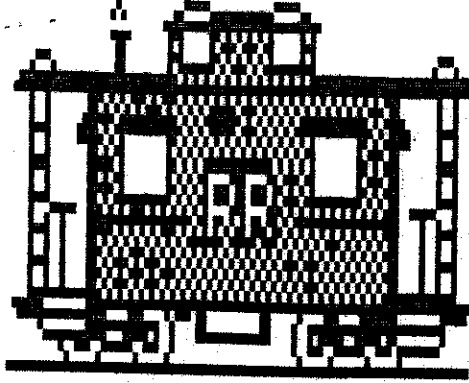


WELCOME NEW MEMBERS



WB8AJ Steven Gabridge KB8DJ Mike Wolak
KB4FX Ann O'Connor WQ4I Joe O'Connor
KB8AHL Diane Scalzi





The Caboose

FEBRUARY 1988

USECA EDITION


BY K8CFY

Salvation Army Recognizes Amateurs


The Oklahoma/Arkansas Division of the Salvation Army has issued a new recognition certificate for awarding to amateurs who have "dedicated time, skill, and equipment to assist the Salvation Army and federal, state, county, city, non-profit and church-related agencies with emergency communications." See right for a sample of the handsome new certificate.




The League signed a national memorandum of understanding with the Salvation Army to establish a framework of cooperation between the two agencies for relief of disaster victims. It is intended that coordination of facilities, equipment and personnel of the two organizations may provide better service to victims of natural or man-made disaster.

The Salvation Army, founded in 1865, has for many years provided emergency services to individuals and groups in times of disaster. This service has received public recognition. The Congress enacted the Disaster Relief Act of 1974 officially recognizing the capabilities of The Salvation Army.



The Salvation Army
Amateur Radio Operator









HAS DEDICATED TIME, SKILL, AND EQUIPMENT TO ASSIST THE SALVATION ARMY AND FEDERAL, STATE, COUNTY, CITY, NON-PROFIT AND CHURCH RELATED AGENCIES WITH EMERGENCY COMMUNICATIONS.

STATION THREE

DATE

PERSONAL COMMUNIQUE

MURPHY LOVES ME

jvm ... (k8cfy)

Murphy loves me
He sticks to me like glue.
Now, with one that friendly
What's a guy to do ?

His cloud ever present
Yet not with dismal gloom
Why should I resent
His ever effective doom ?

Would my life be happier, - say
Were he to leave me alone ?
No more a fouled up day
For me to atone ?

Has he not kept me hard at work
Beyond what it should be-
And sometimes made me a jerk;
The stupid one-(more than thee!)

Oh yes, daily he strikes
Unpredictable his way
Subtle, and harsh, he likes
To confuse with his play.

But has he not kept me going strong
At times when life is dumb;
And made me happily sing a song
When his errors I've overcome ?

My guardian Angel and Murphy
Together it seems in this plot.
One the shadow of the other, see-
No, I guess you really cannot.

But this ghostly pair of doers
Have kept me alive I know
Through all lifes worst fears
They are always in the show.

3489 AF 1553 ALL W1AW ON1W 0219/0842 APRL 18: ANOTHER GRAB AT 220 MHZ
Path: N0BMA:V3ESKXU:V3ESGTV:V3ESBUX:V3ESKQI:V3ESFJF:V3ESJF:NR2B:KD1R:WAI FBB:K1UGM:NDKPF:W1AW

Date: 880216/2217
From: W1AW @ W1AW
Message-ID: <20848W1AW>
To: ALL @ ON1W
Subject: APRL 18: ANOTHER GRAB AT 220 MHZ

APRIL BULLETIN 18 FROM APRIL HEADQUARTERS
NEWINGTON CT FEBRUARY 16, 1988
TO ALL RADIO AMATEURS

MORE ON 220 MHZ. ON JANUARY 29 THE UNITED PARCEL SERVICE FILED A MOTION FOR ACCEPTANCE OF LATE FILED COMMENTS AND THE COMMENTS THEMSELVES IN GENERAL DOCKET 87 14. THIS FCC DOCKET PROPOSES TO REALLOCATE 220 TO 222 MHZ EXCLUSIVELY TO LAND MOBILE FOR A NEW NARROWBAND SERVICE PROPOSES TO BUILD A NATIONWIDE DATA NETWORK FOR ITS DELIVERY TRUCKS USING AMPLITUDE MODULATED SINGLE SIDEBAND EQUIPMENT. THE UPS PETITION COMES SIX MONTHS AFTER THE FINAL DEADLINE FOR FILING COMMENTS IN THE DOCKET. ITS ACCEPTANCE FOR FILING WILL BE STRONGLY OPPOSED BY THE ARRL. NEEDLESS TO SAY, ARRL EFFORTS TO PRESERVE THE ENTIRE 220 TO 225 MHZ BAND FOR AMATEUR USE CONTINUE UNABATED ON SEVERAL FRONTS.

From the K8CFY PBBS and submitted by N8GN

For all that Murphy has done
To me, and all that he could do; why
I'm sure you'll all say as one
"Better thou, than I" _____ jvm

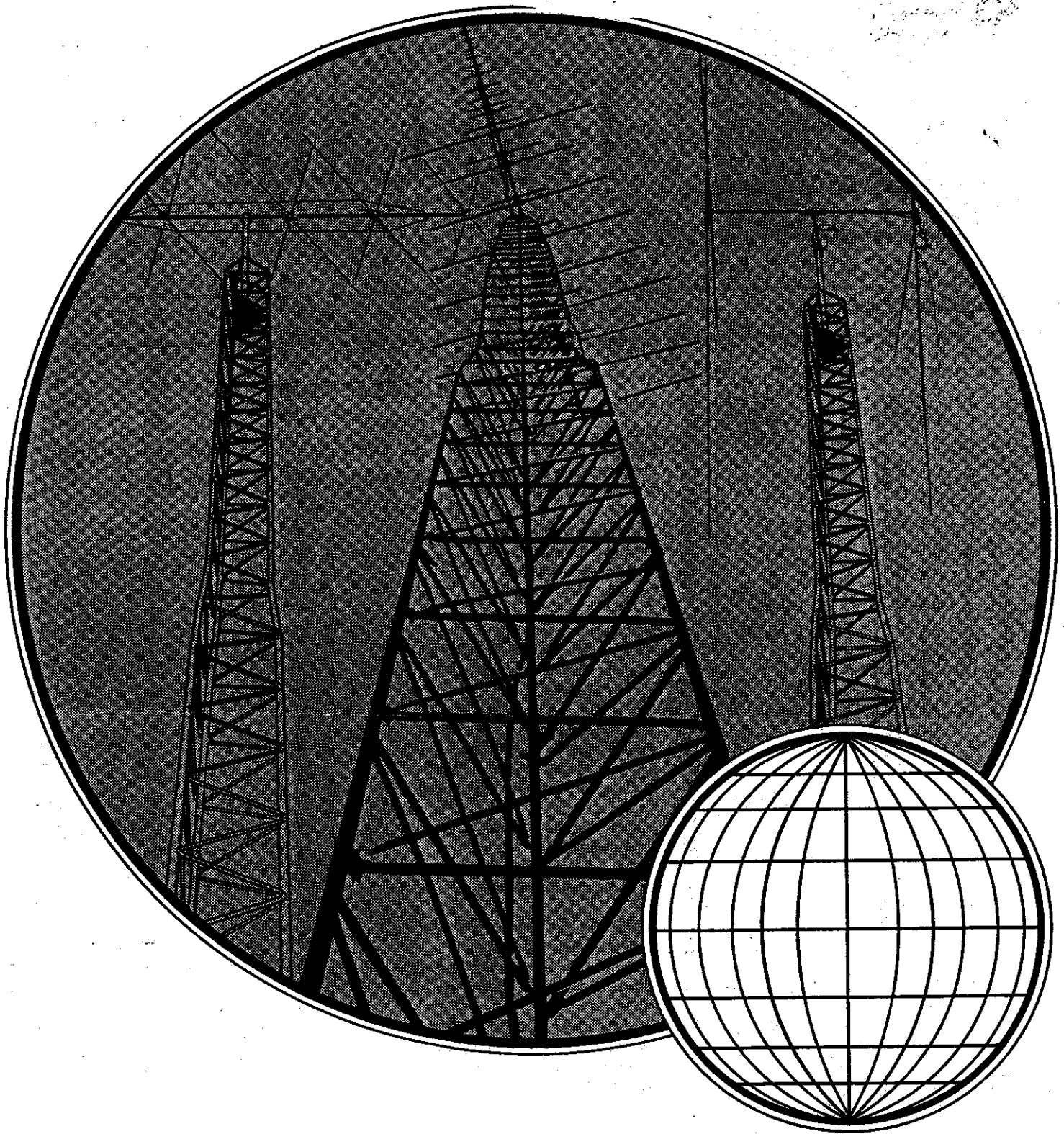


*** MARKET PLACE ***

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1702 Monitor, for Commodore
.....\$125

Clarence Ringo W8HQO
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FOR TV • FM • HAM RADIO • INDUSTRIAL INSTALLATIONS • FIRE • POLICE • MARINE • CB

| MONTHLY SCHEDULE | | FOR USEGA A.R.C. | | MONTH AND YEAR MARCH, 1988 | |
|--|---------------------------------------|-------------------------|-----------|-----------------------------------|-------------------------------|
| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| | | 1**NET | 2 | 3 | 4***NET |
| 6*NET | 7 | 8 | 9 | 10 | 11***NET |
| 13*NET | H.B. W08MFM
H.B. W04I
14 | 15***NET | 16 | H.B. KE8IR
17 | H.B. N8BDQ
18***NET |
| H.B. N8GSH
20*NET | 21 | 22***NET | 23 | 24 | 25***NET |
| 27*NET | H.B. K9WLA
28 | 29***NET | 30 | 31 | 26 |
| REMARKS | | | | | |
| H.B. Happy Birthday | | | | | |
| * International Net - Sun - 1:pm 147.180 | | | | | |
| ** U.S.E.C.A.-A.R.C. NET - Tues - 8:pm 147.180 | | | | | |
| *** HOOT owl Net - FRI - 12:midnite 147.180 | | | | | |
| KLWB | | | | | |
| MEETING | | | | | |
| USEGA-A.R.C. - 2ND Tues 7:pm | | | | | |