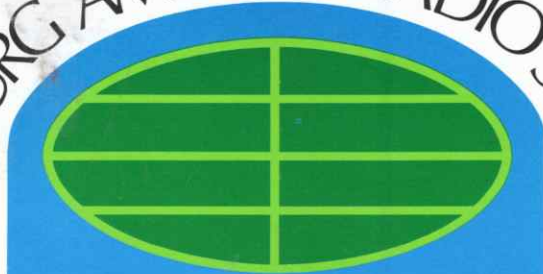


MECKLENBURG AMATEUR RADIO SOCIETY, INC.



W4BFB

1979

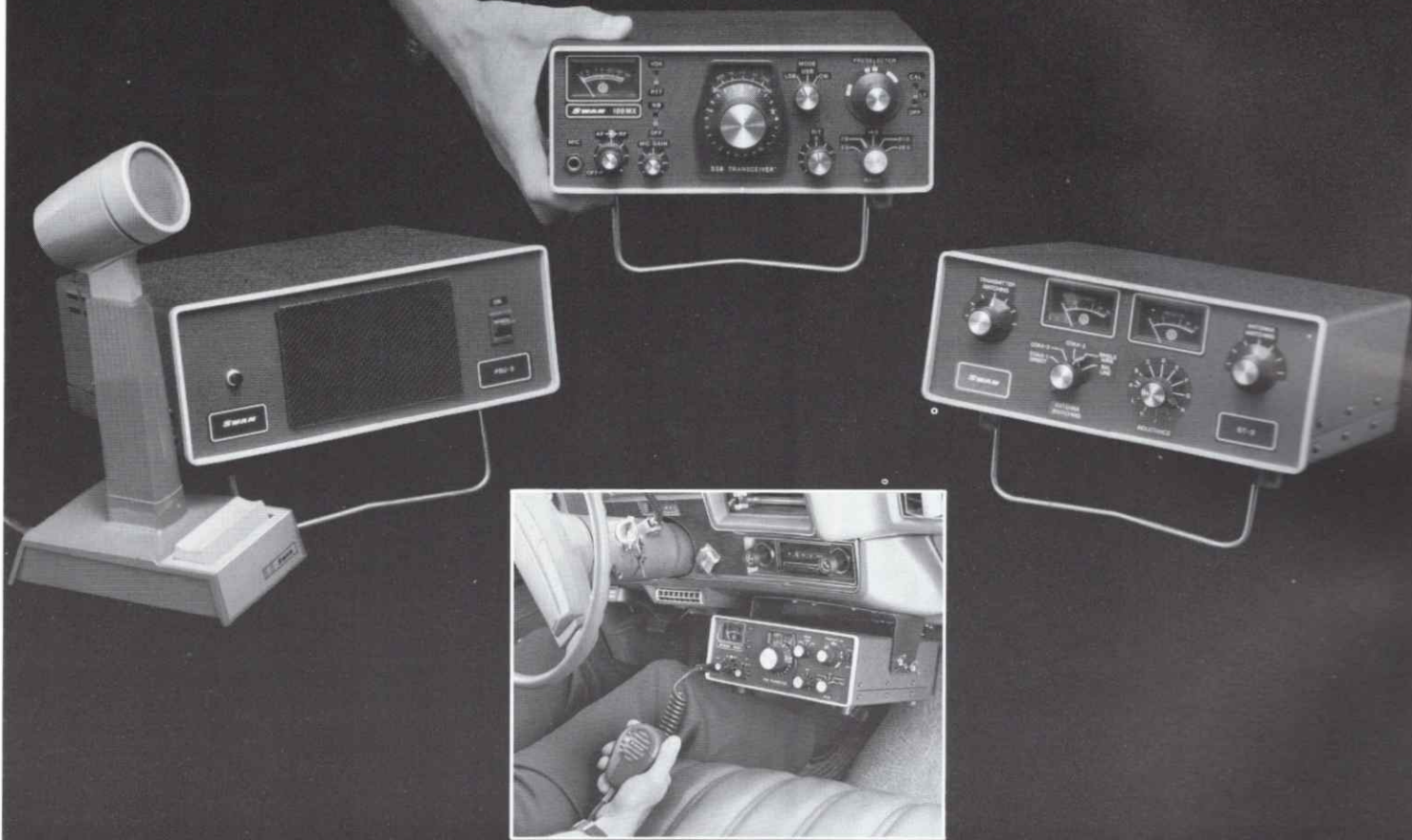
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**ARRL
NORTH CAROLINA
STATE CONVENTION**



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**The revolutionary Swan 100 MX: 100% new, 100% solid state,
100% portable from home station to mobile!**

Introducing a superb "get up and go" transceiver, superbly designed for 100% mobility and control, as only new Swan space-age technology could do it!

100% solid state 100 MX: the compact HF unit you can take seriously — anywhere you choose to operate.

At home, set into Swan's unique new style-coordinated station, with *matching* antenna tuner and power supply.

Or on the road — it's easy to relocate 100 MX. Instantly. Just two simple connections on the back panel: snap out, snap in... and run!

100% improved audio quality: home or mobile, transmit or receive. 100 MX electronics cut through SSB sound barriers —

producing a natural clarity reported comparable to AM!

Your most-wanted extras, 100% built-in: like noise blanker and VOX. Like a preselector to optimize signals. Like a real RF GAIN control, and CW sidetone.

Swan includes the RIT control (± 1.5 kHz) you'd like too. Plus, for stability, a permability tuned oscillator with 1Kc readout.

A powerful package, delivering a minimum 100 watts PEP output on all bands, 10-80 meters.

Setting a 100% new state of art: 100 MX and our matched-station units. Ready for check out today at your Swan dealer, the first major breakthrough in Swan's new program dedicated to changing the face — and performance — of ham equipment 100%... inside and out!

Available only through authorized Swan dealers.

Please rush full specs on Swan's all-new 100 MX home/mobile transceiver.

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305 Airport Road, Oceanside, CA 92054
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Swan's continuing commitment to product improvement may affect specifications and prices without notice.

Visit us in booths 111 and 112

Instant recall. (And 25 watts of power)



Kenwood's exciting 25-watt TR-7625 and optional RM-76 Microprocessor Control Unit... gives you the power you want plus outstanding channel memory and scanning capabilities.

... there's more! The TR-7625 has a lot of versatility for a 2-meter FM transceiver, and when teamed up with the RM-76 gives you a lot of rig. Check these features for both:

TR-7625 (only)

- Memory channel...with simplex or repeater (± 600 kHz transmitter offset) operation.
- Mode switch for operating simplex or for switching the transmit frequency up or down...or for switching the transmitter to the frequency you have stored in the TR-7625's memory (while the receiver remains on the frequency you have selected).
- Dual concentric knobs for fast, easy selection of any 2-meter frequency, in 100-kHz and 10-kHz steps.
- Full 4-MHz coverage (144.000–147.995) on 2-meters; 800 channels; 5-kHz offset switch, and MHz selector switch...for desired band (144, 145, 146, or 147 MHz).
- Digital frequency display (large, bright, orange LEDs).

- UNLOCK indicator...an LED that indicates transceiver protection when the frequency selector switches are improperly positioned or the PLL is not locked.

TR-7625 WITH RM-76

- Store frequencies in six memories (simplex/repeater).
- Scan all memory channels.
- Automatically scan up the band in 5-kHz steps.
- Manually scan up or down in 5-kHz steps (or fast tune).
- Set lower and upper scan frequency limits.
- Stop scan (with HOLD button).
- Clear scan (for transmitting).
- Adaptable to all MARS frequencies.
- Select repeater mode (simplex, transmit frequency offset (± 600 kHz or ± 1 MHz), or one memory transmit frequency).
- Scan for busy or open channel.
- Display indicates frequency (even while scanning) and functions (such



as auto-scan, lower scan frequency limit, upper scan limit, and error, i.e. transmitting out of band).

See the new TR-7625 and optional RM-76 now at any Authorized KENWOOD Dealer!

 **KENWOOD**
...pacesetter in amateur radio

TRIO-KENWOOD COMMUNICATIONS INC.
1111 WEST WALNUT/COMPTON, CA 90220

Instant recall. (And 25 watts of power)



Kenwood's exciting 25-watt TR-7625 and optional RM-76 Microprocessor Control Unit...gives you the power you want plus outstanding channel memory and scanning capabilities.

... there's more! The TR-7625 has a lot of versatility for a 2-meter FM transceiver, and when teamed up with the RM-76 gives you a lot of rig. Check these features for both:

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DSI

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50 HZ TO 550 MHZ COUNTER KIT

95% ASSEMBLED 100% TESTED
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- Computer Maintenance & Construction
- A Must for TV & PLL Repair

\$99.95
MODEL 3550K

includes built-in
Pre-Amp & Prescaler



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DSI OFFERS THE BEST OF TWO WORLDS . . .

An unprecedented DSI VALUE . . . in a high quality, LSI Design, 50 HZ to 550 MHZ frequency counter kit. And, because it's a DSI innovation, you know it obsoletes all competitive makes, both in price & performance.

With 95% of the assembly completed by DSI, you are only one hour away from solving all of those difficult bench problems, from adjusting 60 HZ clock-time bases to setting the frequency of a 468 MHZ Mobile Radio.

FACT: Every 3550 QUIK-KIT® PC board is factory assembled and tested before shipment. **FACT:** The problems of bad LED's, IC's, and Capacitors are a thing of the past. **FACT:** No manufacturer except DSI offers a 550MHZ frequency counter with . . . 8 digits, .5 in. LED's, TCXO, 1HZ resolution and a one year warranty on parts for under \$100.00. **FACT:** We do not know how long we can hold this low, low price. **GO WITH THE LEADER . . . BUY A DSI FREQUENCY COUNTER KIT TODAY. SAVE TIME & MONEY AND BE ASSURED IT WILL WORK THE FIRST TIME.**

DSI — GUARANTEED SPECIFICATIONS

Time Base TCXO 1PPM 65° to 85° F
Freq. Range 50HZ to 550MHZ incl. two SO239 inputs
Resolution 1HZ to 55MHZ, 10HZ to 550MHZ
Gate Time 1 sec & 1/10 sec with Auto Decimal Point
Display 8 digits, 1/2 inch LED with Leading Zero Blanking
Sensitivity 25MV @ 25MHZ, 150MHZ, 250MHZ;
75MV @ 450MHZ
Power Batt., 12VDC @ 300Ma, 110VAC (with AC-9)

3550K Kit	\$99.95
T-101 Ant.	3.95
AC-9 AC Adp.	7.95
Shipping, Handling, Ins.	10.00

3550W Wired	149.95
T-101 (incl.)	NC
AC-9 (incl.)	NC
Shipping (incl.)	NC



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TERMS: MC - VISA - AE - Check - M.O. - COD in U.S. Funds. Orders outside of USA & Canada, please add \$20.00 additional to cover air shipment. California residents add 6% Sales Tax.

DSI INSTRUMENTS, INC.

7924 Ronson Road, Dept. G, San Diego, CA 92111

Metrolina Hamfest

WELCOME!

The Mecklenburg Amateur Radio Society (W4BFB) and the American Radio Relay League welcomes you to the 1979 Metrolina Hamfest and ARRL North Carolina State Convention. We have tried hard to make this a week-end you will enjoy and remember. Please let us know what you think about our efforts.

W4BFB Club members may be identified by the arm bands they are wearing. Ask them for any assistance you need. Dealers, manufacturers and exhibitors will be wearing exhibitor ribbons. Many of them have come a long way to be here with you. Let them know you are glad they are here. And don't be afraid to buy things from them.

Welcome, and have a good time!

REGISTRATION AND ADMISSION

Registration for the Hamfest/Convention will take place in the lobby of the Civic Center. Admission is \$3.00 per person. Children under 12 years of age are admitted free when accompanied by a paid admission. For each \$3.00 admission you will receive:

- (a) one admission ticket good for the entire week-end
- (b) one prize ticket with stub good for all prizes
- (c) additional admission tickets (not prize tickets) for your children under 12 years old

Your admission ticket will serve as your name tag and **MUST BE WORN** at all times while attending the Hamfest/Convention. You may leave and re-enter as you please as long as you wear your admission ticket in plain view.

A barrel will be available at the registration table for you to deposit your prize ticket stub. Additional prize tickets at \$3.00 each may be purchased at the registration table or at the W4BFB Club Booth. All prize ticket stubs must be deposited in the barrel by 5:00 PM Saturday to be eligible for the Saturday main prize and the grand prizes. No prize ticket stubs will be accepted after these times.

DOOR PRIZE DRAWINGS

For each admission ticket you purchase you will receive one prize ticket. You may purchase additional admission tickets to receive additional prize tickets. All winning prize tickets will be drawn from the same barrel. All prizes will be awarded. Your ticket stub must be presented to claim your prize. You do NOT have to be present to win any of the following main prizes:

- (a) Complete Amateur Radio Station
- (b) Yaesu FT 127RA 220mHz Transceiver
- (c) Swan 100mx Low Band Transceiver
- (d) Mosley TA33 beam
- (e) Wilson 420A 20meter mono bander

Additional door prizes will be given away periodically throughout the day, both Saturday and Sunday. Winners will be announced over the P.A. system and posted at the W4BFB Club Booth and at the main entrance. Winners will have two hours to claim these hourly prizes. Any unclaimed hourly prizes remaining at the end of each day will be given away at the main prize drawing for that day.

All ticket stubs drawn for prizes will be returned to the drum and will be eligible for all future drawings.

Members of the Mecklenburg Amateur Radio Society (W4BFB) are eligible to purchase prize tickets and are eligible for ALL prize drawings.

For a complete description of all prizes to be given away please turn to page 12 of this program.

FCC EXAMINATIONS

Representatives from the Norfolk office of the FCC will be at the Civic Center on Saturday, March 24, to give all classes of Amateur Radio examinations. No commercial exams will be given. The exams will begin at 9:30 AM and will continue until all persons are tested. Preregistration is not required. There are FCC 610 forms available in the lobby of the Civic Center. Complete a 610 and arrange a time at the scheduling table in the lobby for yourself. Detail instructions are available in the lobby. There is no charge to take the FCC examinations and **you do not have to buy a Hamfest/Convention ticket** to take the exams.

We are grateful to Jerry J. Freeman and his staff for coming to the 1979 Metrolina Hamfest and North Carolina State Convention. We wish you luck on your exams.

SCHEDULE OF EVENTS

Hamfest/Convention hours will be 9 AM-6 PM Saturday, March 24; and 8 AM-5 PM Sunday, March 25. Dealers and manufacturers ONLY will be admitted for set-up beginning on 4 PM Friday, March 23. Following is a schedule of convention activities:

SATURDAY

- 9:00 AM Doors open
FCC Exams
Begin
- 10:00 AM Forum & Programs
Begin
- 5:00 PM Sat. Prize
Drawing
- 6:00 PM Doors close
- 8:00 PM Banquet

SUNDAY

- 8:00 AM Doors open
- 10:00 AM Bingo
- 12:00 Noon FCC
Forum
- 1:00 PM ARRL
Forum
- 3:00 PM Main Prize
Drawing
- 5:00 PM Doors close

Forum topics, times and locations on pages 18, 19 & 20.



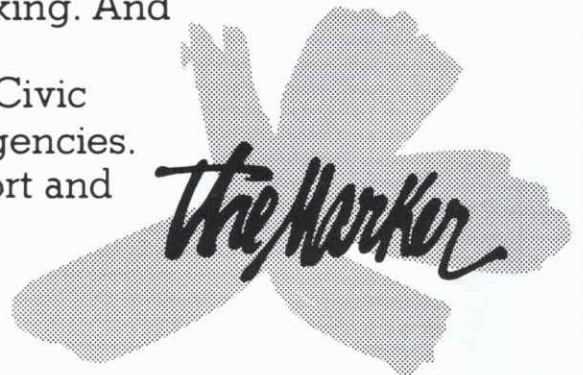
The center of Charlotte is five blocks from downtown

You're at the heart of things at Sheraton Center.

Everything you see says it. The attentive service. The warmth of The Marker Restaurant and cocktail lounge. The ample banquet and meeting rooms. Plenty of free parking. And no downtown hustle bustle.

Venture out and you're close to the Civic Center, commerce and government agencies. And just a short ride to Douglas Airport and Carowinds Theme Park.

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Sheraton Center.



Sheraton Center

Independence Boulevard and McDowell Street • 704/372-4100

Metrolina Hamfest

TALK-IN

W4MHF, the Metrolina Ham Fest talk-in station, will be on the air from the Civic Center to help you find your way. The primary frequency will be 146.34/146.94 (WR4AEU). The talk-in station will be on the air during the following periods:

Friday, March 23 3:00 PM to 10:00 PM
Saturday, March 24 7:00 AM to 6:00 PM
Sunday, March 25 9:00 AM to 6:00 PM

In addition to the above times several local stations will be informally monitoring 34/94 at other times to assist you in finding your way around Charlotte during your stay in the Queen City.

DEALERS, MANUFACTURERS AND EXHIBITORS

This year we have an outstanding list of dealers, manufacturers, and other exhibitors to offer you. All of them have made a special effort to be at the convention. Please take time to visit each booth and let them know you are glad they came. A list of dealers and manufacturers attending this year's convention along with a floor layout showing the location of their booths, may be found on page 11 of this program.

W4BFB CLUB BOOTH

Your host for the 1979 Metrolina Hamfest/ARRL North Carolina State Convention is the Mecklenburg Amateur Radio Society, W4BFB. We invite you to pay a visit to the Club Booth and learn about our other activities. Information for prospective members as well as membership applications will be available.

TEST EQUIPMENT

This year, as a public service, we will have a special area at the booth equipped with a power supply, dummy load, wattmeter and two-meter antenna which you may use to test that piece of used gear you are thinking about buying. The main Hamfest/Convention prizes will be on display at the Club Booth and you may also purchase additional prize tickets there at \$3.00 each.

INFORMATION/MESSAGES

The W4BFB Club Booth will serve as an information center while the convention is in progress. Messages may be left there for display on a bulletin board or for announcement over the P.A. system. During other times the information desk at the Sheraton Hotel will be used. Simplex 146.52 may also be used during the day to QSO with the talk-in station, which will be able to communicate with other Hamfest/Convention areas.

MEALS AND REFRESHMENTS

Two concession areas are available at the Civic Center serving hot dogs, hamburgers, sandwiches, snacks and drinks. Both areas will be open during most of the day both Saturday and Sunday.

BANQUET

A banquet has been planned for Saturday evening, March 24, at Slug's Tower Suite on the 30th floor of the Jefferson First Union Tower, just two blocks away from the Civic Center. The guest speaker will be Harry Dannals, W2HD, President of the American Radio Relay League.

Only a limited number of banquet tickets will be available. You may purchase tickets at \$12.00 per person at the registration desk in the lobby of the Civic Center. "Slug" is known for his roast beef so come and enjoy the finest in town.

BINGO

To help the non-hams in your family enjoy the week-end, Bingo will be played in Forum Room 1 Sunday only from 10 AM to 12 Noon and 1 PM to 3 PM. Due to state law, Bingo will be played (one) day only. A person may play only one card at a time. Children may also play provided they are old enough to play their card by themselves. All Bingo prizes have been donated by members of the Mecklenburg Amateur Radio Society to help you enjoy your week-end at the Convention. Many variations of the game are planned, so come on by and have fun!

FORUMS AND PROGRAMS

A variety of forums and programs will be given continuously throughout the day on Saturday and Sunday. Forum topics will cover almost all aspects of Amateur Radio including many on Traffic Handling, Emergency Preparedness and DXing. Many prominent national and local figures will be participating including Harry Dannals, W2HD, President of ARRL, John Lindholm, W1XX, recently named Communications Manager of the League, Phil Wicker, W4ACY, Roanoke Division Director, Jerry Freeman, W4JJ, Engineer in Charge, FCC Radio District 5, and many others. The lineup of DX forums covers all of the most recent DXpeditions and feature speakers from as far away as Jordan and New Guinea. A schedule of forum times and locations, along with a complete list of all forum topics, may be found on pages 18, 19 & 20 of this program.

ARRL BOOTH

ARRL officials will be on hand at the League's booth throughout the Convention. We are quite fortunate to have with us Harry Dannals, W2HD, President of the League, John Lindholm, W1XX, recently named Communications Manager, Phil Wicker, W4ACY, Roanoke Division Director, and Gay Milius, W4UG, Roanoke Division Vice Director.

These plus many Division and Section appointees will be available to answer your questions and receive your suggestions. League supplies and literature will be also available. Remember, ARRL membership dues increase April 1—renew your dues at the Convention at the old rates.

Pay a visit to the League Booth—support your ARRL.

WRET TV 36 WELCOMES YOU TO THE 1979

METROLINA HAMFEST 73's FROM:

DAVE UHRICH, Station Mgr. -WD40KH

JACK BARR, Chief Eng. -WD4JWO

JIM PATTERSON Production Mgr. -WD4PKL

ED FOX, Transmitter Eng. -WA4JKL

JOHN LATHEM, NEWS EDITOR - WD4LNQ

PAUL REYNOLDS, Engineer -WB4MCI

ROBERT RENFRO, Engineer -K40F

BUCK ESCOTT, Engineer -WB40TP

The Home of the 146.34/146.94 REPEATER.



36N
WRET·Charlotte

City of Charlotte, North Carolina Proclamation

WHEREAS, the Mecklenburg Amateur Radio Society each year sponsors a Hamfest which draws amateur radio enthusiasts from a five state area; and

WHEREAS, The Mecklenburg Amateur Radio Society, Inc. located in the American Red Cross Building is sponsoring the Metrolina Hamfest 79 and The American Radio Relay Leagues North Carolina Convention at the Charlotte Civic Center; and

WHEREAS, this year the Hamfest will be held in the Charlotte Civic Center and special display booths will feature exhibits by the Greater Charlotte Chamber of Commerce, U. S. Air Force, JARS, WBT, Southern Bell, Charlotte Model Radio Control Club, Red Cross Disaster Service, Charlotte Police Department, and many others; and

WHEREAS, The Federal Communications Commission will be administering Amateur Radio Exams and thousands of hams world-wide will be hearing short wave transmissions from the Charlotte Civic Center; and

WHEREAS, there are approximately 1,000 licensed ham radio operators in Mecklenburg County and 300,000 in the United States alone;

NOW, THEREFORE, I, Kenneth R. Harris, Mayor of Charlotte, do hereby proclaim the week-end of March 24 - 25, 1979 as

"AMATEUR RADIO WEEKEND IN CHARLOTTE"

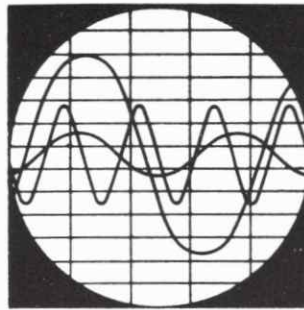
and ask all our citizens to honor this observance.

WITNESS MY HAND and the official Seal of the City of Charlotte.




Kenneth R. Harris
Mayor

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Charlotte, N. C.
Phone: 332-6555

Open House ALL DAY Saturday and Sunday during the Hamfest

Bring this ad by the store and sign up for a free drawing

Visit us in booth 40

**MECKLENBURG AMATEUR RADIO SOCIETY W4BFB
1979 OFFICERS**

RUSS KINNEY, W4FKT President
 KEN DRESSER, WB4NDB Vice President
 HAL LONDON, WB4ZIQ Secretary
 BOB DARKE, W4MHF Treasurer
 JACK BARR, WD4JWO Director

BOB REED, K4SFI Director
 CHUCK LOMAX, WD4AKZ Director
 LANE TARLETON, WA4ZQQ Director
 BILL PARRIS, AA4R Director

The Mecklenburg Amateur Radio Society, W4BFB, is one of the largest amateur radio clubs in the Carolinas. The Society was officially originated in 1949 and presently has over 200 members. W4BFB is affiliated with the ARRL and The Greater Carolinas Chapter of The American National Red Cross.

annual Festival In The Park, and by helping to provide communications for Walk-A-Thons, bicycle races and other community activities.

The Society is active in all areas of amateur radio. Classes for novice, general, advanced and extra class licenses are conducted regularly in cooperation with Central Piedmont Community College. W4BFB actively participates in contests and has consistently placed in the top 10 nationally during VHF contests and Field Day. The Society publicizes and promotes amateur radio by participating in events such as the

The Mecklenburg Amateur Radio Society holds its regular meeting on the last Tuesday of each month at 7:30 PM at the Red Cross building, 2425 Park Road. The Society's station is located in the basement of the Red Cross building and is open every Tuesday night beginning at 7:30 PM. Visitors are always welcome. Membership in the Society is open to anyone who has a sincere interest in amateur radio. An FCC license is not required to join the Society.

Additional information concerning the Society may be obtained by visiting the W4BFB Club Booth.

DURING THE CONVENTION

The following Amateurs will be awarded ARRL Certificates of Merit for outstanding service in 1978:

P. L. Burt, W4OFO, Swansboro, NC

For dedicated service to the Tar Heel Emergency Net as its Net Secretary.

Paul Worrell, WA4YSK, Hendersonville, NC

Top Traffic Handler Award (Traffic Count—3295)

Fred Warren, WB4MJH, Kenly, NC

JFK Net Manager instrumental in affiliating the JFK Net with the National Traffic System.

NORTH CAROLINA TRAFFIC SUMMARY:

	1976	1977	1978
No. Individual Reports Received	302	303	474
No. Different Stations Reporting	—	72	99
Total Traffic Count	16,805	22,442	29,303
Rank in ARRL Sections (75 Sections)	23	20	?

Traffic handling continues to increase in the Section as demonstrated by the above data. For the second straight year traffic count has increased over 30% from the previous year.

TOP TEN TRAFFIC HANDLERS IN NORTH CAROLINA:

1977		1978	
W4EAT	3026	WA4YSK	3295
AA4NC	2753	WB4ZIQ	1748
W4OFO	1709	W4EAT	1731
WB4MXG	1382	WB4MXG	1646
K4FTB	1329	K4MC	1599
WB4ZIQ	1149	W4FMN	1490
K4MC	1133	K4VHT	1301
W4FMN	1089	W4OFO	1205
N4UE	980	K4FTB	1149
N4ZH	734	AA4NC	1130

SEE US AT BOOTH 109/110

ACCEPT NO SUBSTITUTES!

Before you make the choice of a new hand-held, ask about these important features:

1. Is the case fiberglass reinforced Lexan®?
2. Are the batteries convenient for carrying extras?
3. Is the capacity sufficient for a day's operation?
4. Is there a method for conserving battery life when high power is not required?
5. Does it fit your hand comfortably?
6. Do you have a choice of charging methods?
7. Do you have an ample choice of accessories to back up your radio?

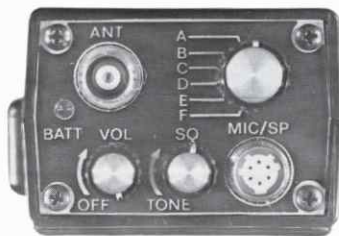
If you can answer 'yes' to all of the above, then you've made the obvious choice.

**YOU WANT A WILSON MARK II or IV . . .
... AND ACCEPT NO SUBSTITUTE FOR IT!**

Wilson hand-helds have been known world-wide for exceptional quality and durable performance. That's why they have been the best selling units for years.

The Mark Series of miniature sized 2-meter hand-helds continues the tradition of dependability and operation, but in an easier to use, more comfortable to carry size.

The small compact size battery pack makes it possible to carry one or more extra packs in your pocket for super extended operation time. No more worry about loose cells shorting out in your pocket, and the economical price makes the extra packs a must.



Conveniently located on top of the radio are the controls for volume, squelch, accessory speaker mike connector, 6 channel switch, BNC antenna connector and LED battery condition indicator.

Optional Touch Tone™ Pad available.

To obtain complete specifications on the Marks, along with Wilson's other fine products, visit us at Booth 109/110.

MARK II: ≈ 1 & 2.5 watts
MARK IV: ≈ 1 & 4.0 watts

SPECIFICATIONS:

- Range: 144-148 MHz
- 6 Channel Operation
- LED Battery Condition Indicator
- Individual Trimmers on TX and RX Xtals
 - Rugged Lexan® outer case
 - Switchable Hi-Lo Power
 - Current Drain: RX 15 mA
- TX - Mark II: 500 mA Hi, 400 mA Low
- TX - Mark IV: 900 mA Hi, 400 mA Low
- 12 KHz Ceramic Filter and 10.7 Monolithic Filter included.
 - 10.7 MHz and 455 IKz IF
 - Spurious and Harmonics: more than 50 dB below carrier
 - BNC Antenna Connector
 - .3 Microvolt Sensitivity for 20 dB Quieting
 - Uses special rechargeable Ni-Cad Battery Pack
 - Rubber Duck and one pair Xtals 52/52 included
 - Weight: 19 oz. including batteries
 - Size: 6" x 1.770" x 2.440"
 - Popular accessories available: Wall Charger, Mobile Charger, Desk Charger, Leather Case, Speaker Mike, Battery Packs, and Touch Tone™ Pad.



Illustrated is Wilson's BC-2 Desk Top Battery Charger shown charging the Mark Series Unit or the BP-4 Battery Pack only.

Consumer Products Division



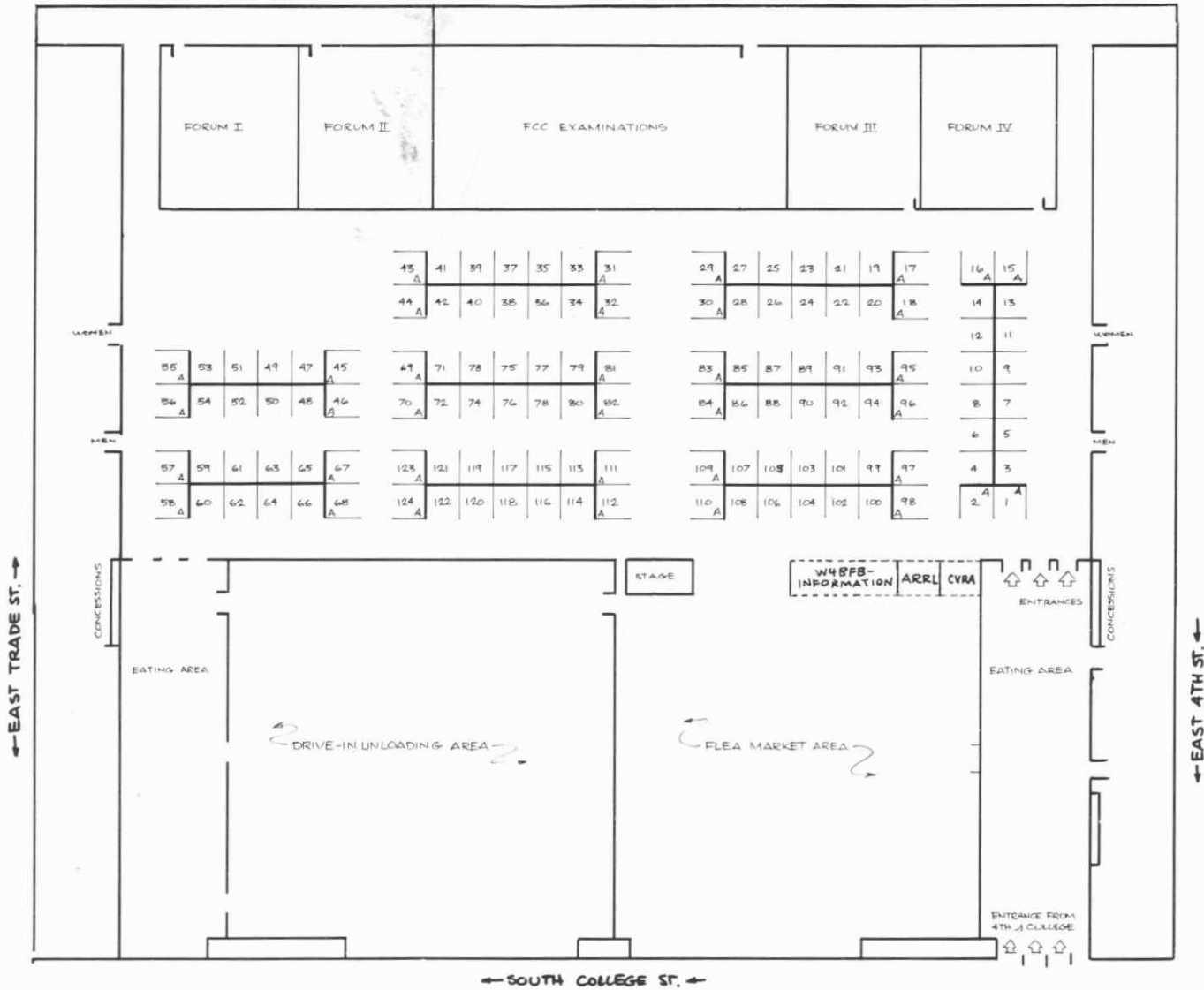
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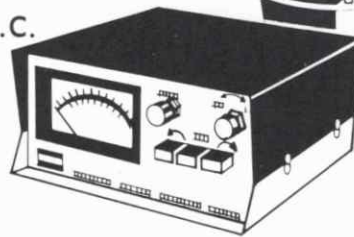
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- 120, 122 GENE BOND
- 119, 121 D.S.I.
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GRAND PRIZE

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—Donated by Swan through Gismo - Rock Hill, S.C.

CONSOLIDATED 50 ft. TOWER w/ROTOR PLATE

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CDE HAM III ROTOR

100 ft. RG-8 COAX

100 ft. ROTOR CABLE

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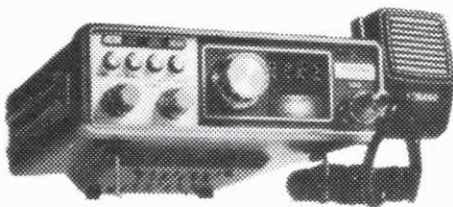
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PENCIL

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SPECIAL SATURDAY PRIZE

***YAESU FT-127RA 220mHz TRANSCEIVER**



Donated by YAESU

Drawing — Saturday 5pm

SPECIAL SUNDAY PRIZES

***SWAN 100MX TRANSCEIVER**



Obtained in cooperation with
GISMO COMMUNICATIONS
Rock Hill, S. C.

Drawing — Sunday 3pm

Many other prizes to be given away throughout the Convention — Saturday and Sunday.

***YOU DO NOT** have to be present to win these prizes, **YOU MUST BE** present to win all others.

MOSLEY TA33 TRI BAND BEAM

Donated by MOSLEY

WILSON 420A 20 METER MONOBAND BEAM

Donated by WILSON

Drawings — Sunday 3pm

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- 670 Century 21 Keyer 29.00
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- 274 Century Digital Mod Kit 90.00
- 247 Antenna Tuner 69.00
- 277 Antenna Tuner/SWR Bridge ... 85.00
- 509 Argonaut 80-10cm 5w Xcvr ... 369.00
- 206 A Crystal calibrator 29.00
- 208 External CW filter 29.00
- 210 AC power supply 34.00
- 210/E 110/220 vac ps 39.00
- 215P Microphone w/plug 29.50

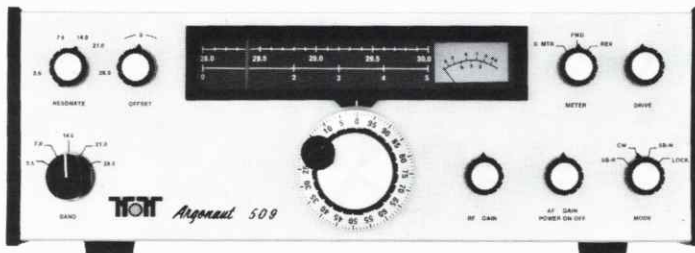
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- KR20A Single paddle keyer, AC/DC . 69.50
- KR50 Dual paddle
Ultrasonic, AC/DC 110.00

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URGENT! URGENT! Register now at Long's booth for a FREE TR-7625!

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Come by and see our display at the Charlotte Hamfest March 24th and 25th, and register for a Kenwood TR-7625 to be given away Sunday afternoon March 25th at 1:00 PM. Cut out the coupon and drop it in the box at our booth. Licensed operators only, no purchase necessary. You do not have to be present to win.



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NEW
KENWOOD TR-7625
25 watt 2m transceiver

Featuring: memory channel, mode switch for simplex or switching transmit freq. up or down, full 4 MHz coverage, 800 channels, 5 KHz offset switch, MHz selector switch, LED, unlock indicator.

425.00 ask for quote.

NEW



YAESU
FT-101ZD transceiver

Freq. coverage: 160 thru 10 meters plus WWV, modes: LSB, USB, CW, input power: 180W DC, digital & analog freq. readout, 6146B finals, RF speech processor, variable IF bandwidth 300 Hz to 2.4 KHz, heater switch, VOX, and noise blander, built-in power supply

895.00 ask for quote.



DRAKE TR/DR7
general coverage digital
R/O transceiver

Covers 160 thru 10 meters, reception from 1.5-30 MHz continuous, 0-30 MHz with optional Aux-7, modes: USB, LSB, CW, RTTY, AM, true passband tuning, RIT, built-in RF wattmeter/VSWR bridge, SSB 250W PEP, CW 250W, AM 80W. Power supply required for AC operation. PS-7 120/240V power supply available 175.00.

1295.00 ask for quote.

NEW



YAESU FT-7B
HF mobile transceiver

Covers 10-80 meters, 28.5-29.0 crystals supplied, modes: LSB, USB, CW, & AM, input power: 100W SSB & CW, single knob tune-up with variable drive control, 100 KHz calibrator, noise blander, semi break-in with side tone (CW), 13.5 VDC operation.

675.00 ask for quote.

Shown with power supply.



ICOM IC-701
HF transceiver

All solid state, even the finals, 100W continuous duty on all bands, all modes, 160 thru 10 meters, dual built-in individual digital VFO's for split freq. operation, VOX, semi-break-in CW, RIT, AGC, noise blander, and a built-in speech processor. IC-701 PS needed for AC operation. Power supply requirements DC 13.6 V negative ground. IC-701PS (power supply) only 215.00.

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Metrolina Hamfest

ACCOMMODATIONS

The Sheraton Center, located at 555 S. McDowell St., is the official headquarters for the Metrolina Hamfest this year. If you have not made reservations for your stay this week-end, please call the Sheraton.

FLEA MARKET

A large indoor flea market area will be available to individuals (no dealers please) wishing to sell their personal equipment. Your admission ticket to the Hamfest/Convention entitles you to up to one free table in the flea market area. Additional table space may be purchased for \$5.00 per table. To insure enough tables for everyone, please share a table with someone else if you do not need a full table for yourself.

If you have a large amount of equipment you wish to bring to the flea market, you may enter at the freight door on College Street and someone will direct you to the flea market area. Hand carts will be available to help you move your equipment from the unloading area to your flea market table. Admission tickets to the Hamfest/Convention will also be sold at this entrance to the flea market.

The flea market is intended for individuals selling their personal equipment. Dealers, whether established or individuals, wishing to sell any items must purchase a booth in the dealer area.

PARKING

Ample Parking is available at the many privately operated parking lots around the Civic Center, in-

cluding covered parking underneath the Civic Center. The Radisson Hotel furnishes free parking to its guests.

SECURITY

The Mecklenburg Amateur Radio Society cannot be responsible for any of your equipment or belongings while you are attending the convention. However we will provide as much security as we can for your protection. The convention area will be cleared of all people promptly at 6:00 PM Saturday and no one will be allowed to re-enter the area until 8:00 AM Sunday. Security personnel will be present throughout the night Saturday, for the protection of any flea market and dealer equipment remaining in the convention area. We suggest you cover your equipment with a cloth before leaving the area.

SPECIAL BOOTH: WHAT IS HAM RADIO? (Booth 45)

For persons attending the Convention who are not familiar with Amateur Radio, W4BFB has set up a special booth to acquaint you with the wonderful world of Ham Radio. The booth has a lot of free literature for you to pick up. Club members will be on hand to answer questions and give you suggestions on how to get started in Ham Radio.

QSL CARD DISPLAY

It's always interesting to see who is at the Hamfest . . . so come by the QSL Card display board in the entrance foyer and hang your card on the board. You may discover someone at the Hamfest that you have talked with and would like to meet.

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Metrolina Hamfest

SATURDAY	FORUM ROOM 1	FORUM ROOM 2	FORUM ROOM 3	FORUM ROOM 4
	Forum Room Manager: Bob Hinnant, W4PUA	Forum Room Manager: Gary Dixon, K4MQG	Forum Room Manager: Marvin Richardson, WD4LYF	Forum Room Manager: Joe Fesperman, K4LVV
11 - 12	FAMILIARIZATION WITH TRAFFIC NETS (N4UE)	IRAN AND AMATEUR RADIO (EP2LI)	AUTOMATIC CODE RECEPTION, KANTRONICS (WQOXI)	10-X INTERNATIONAL (K4KUT)
12 - 1	THE NATIONAL TRAFFIC SYSTEM (WA4CCK, WB4PNY)			
1 - 2	YOUR ARRL COM- MUNICATIONS DEPT. (W1XX)	NAVASSA ISLAND (WA4SSU)	USING THE HOME COMPUTER IN YOUR STATION, COMPUT- ERLAND (Bill Kearns)	NAVY MARS (W4OFO)
2 - 3	NORTH CAROLINA AREA E EMERGENCY OPERATIONS (W4OCZ)	MALDIVES & SRI LANKA (WB4ZNH & WN4FVU)	OSCAR AND AMSAT (WB2LEI)	ARMY MARS (WD4BEJ)
3 - 4	ORGANIZING FOR EMERGENCY COMMUNICATIONS (N4NK)	PAPUA NEW GUINEA (P29MM)	TEENAGE AMATEURS (WD4NTE, K4VHT)	AIR FORCE MARS (WA4WHJ)
4 - 5	REPEATER ORGANIZATIONS & COMMUNICATIONS (WA4WTX)	DESECHED ISLAND (N4ZC & N4EA)	CENTRAL N.C. TRAFFIC NET (K4VHT)	

SUNDAY	FORUM ROOM 1	FORUM ROOM 2	FORUM ROOM 3	FORUM ROOM 4
9 - 10		EASTERN N.C. DX ASSOCIATION (N4ANV)		REPEATER OPERATIONS (K4ITL)
10 - 11	BINGO		AMATEUR RADIO IN JORDAN AND THE MIDDLE EAST (JY9DI) (FCC EXAM ROOM)	
11 - 12				
12 - 1		FCC FORUM (W4JJ)		
1 - 2	BINGO	ARRL FORUM (W2HD, W4ACY)		
2 - 3				

FORUM TOPICS

CENTRAL NORTH CAROLINA TRAFFIC NET (CNCTN): This VHF Traffic net which operates on 13/73, WR4AAA, Salisbury, NC, has grown to be a "model" for others throughout the region. Meeting nightly at 10 PM since April 4, 1972, participation has grown to rival even the most active Nets on 75 meters . . . December check ins averaged over 55 stations per session . . . not bad for a "repeater" net. Come and learn more about the CNCTN's activities and meet its members. Speaker: Dave Dyer, K4VHT, Net Manager (Winston-Salem, NC).

FAMILIARIZATION WITH TRAFFIC NETS: Come participate in a discussion on such topics as Administering an Amateur Radio Traffic Station, Responsibilities of the Net Manager and the Net Control Station, and familiarize yourself with a new concept in measuring the effectiveness and efficiency of a Traffic Net. Speaker: Herb Lacey, N4UE, Section Traffic Manager (STM) of North Carolina (CARY, NC).

THE NATIONAL TRAFFIC SYSTEM: How much do you know about the organization of the National Traffic System above the Section level? Well, come let the Net Managers of the "Daytime" nets give you an education . . . maybe you will jump in and become a part of this vital phase of our hobby. Speakers: Warren Gibson, WA4CCK, Net Manager, Fourth Region Net Daytime (Yorktown, VA) and Joyce Dolby, WB4PNY, Net Manager, Eastern Area Net Daytime (Richmond, VA).

YOUR COMMUNICATIONS DEPARTMENT: Come meet the ARRL's new Communications Manager, John Lindholm, W1XX. What is the Communications Department? I'm glad that you should ask that question . . . this department administers the Emergency Preparedness activities, Traffic handling including all nets, contests and other operating events, operating proficiency programs, and Public Service activities. This is the Field Organization of the League and you are a part, so come visit with us. Speaker: John Lindholm, W1XX, Communications Manager of ARRL. (Newington, Conn.)

NORTH CAROLINA AREA "E" EMERGENCY OPERATIONS: The North Carolina Office of Civil Preparedness has organized its operations into "areas" which consist of 10-20 counties. Area E Emergency Coordinators (EC's) have established a communications plan to support the OCP operations in the 18 county system consisting of Alexander, Alleghany, Ashe, Avery, Burke, Cabarrus, Caldwell, Catawba, Gaston, Iredell, Lincoln, Mecklenburg, Mitchell, Rowan, Stanly, Union, Watauga, and Yancey. Be sure you and your EC attend this one. Speaker: "Red" Redlingshafer, W40CZ, Emergency Coordinator (EC) of Rowan County, NC (Salisbury, NC).

ORGANIZING FOR EMERGENCY COMMUNICATIONS: Planning for Emergencies should be an "on-going" process with training exercises to evaluate your procedures and organization. Share your ideas and experiences with our representative on the ARRL Emergency Advisory Committee. Speaker: Bill Farone, N4NK, 4th Call Area Representative to the ARRL Emergency Advisory Committee. (Bon Air, Va.)

REPEATER ORGANIZATIONS AND COORDINATION: North Carolina, South Carolina and Virginia are proud to be an area that is blessed with a good repeater network. This has been the result of much work on behalf of the various groups and individuals who install and operate these machines . . . and their own organization, The Carolinas-Virginia Repeater Association (CVRA). Through a coordinated effort of the repeater owners and users, we can truly claim to be the example for others to follow. The CVRA has been the source for the league to "tap" for 4th Call Area Representatives to the VHF Repeater Advisory Committee. Come visit with our latest member. . . . Speaker: Charlie Durst, WA4WTX, 4th Call Area Representative to the VHF Repeater Advisory Committee. (Durham, NC).

REPEATER OPERATIONS: If you have operated through a repeater in North Carolina, chances are good that you have heard the call of K4ITL mentioned. Danny Hampton is recognized by his peers in North Carolina as "Mr. Repeater" . . . a reputation earned after many years of not only working on the machines themselves, but working with the individuals and groups in negotiating and resolving operational conflicts. You will miss a treat if you do not come to hear . . . Speaker: Danny Hampton, K4ITL. (Raleigh, NC).

ARRL FORUM: Come and meet the League Officials who have been with us during the Convention. President Harry Dannals, W2HD, Communications Manager John Lindholm, W1XX, Roanoke Division Director Phil Wicker, W4ACY, Roanoke Division Vice Director Gay Milius, W4UG, and North Carolina SCM Bill Parris, AA4R, will be participating in a panel discussion to answer **your** questions about **your** ARRL.

FCC FORUM: Always a favorite at the Convention is Jerry Freeman, W4JJ, Engineer in Charge, FCC Radio District 5 (Norfolk) who will discuss recent FCC actions and items on the FCC agenda. A question and answer session will follow. Come hear it "direct" . . . Speaker: Jerry J. Freeman, FCC Norfolk Office.

10X INTERNATIONAL NET: A unique organization? You bet your life . . . and one that has been a driving force to activate the use of the 10 meter Amateur Band is the Ten-Ten group. Come and visit with other ten meter operators from the area and meet our . . . Speaker: Malcom Spangler, K4KUT. (Shelby, NC).

MILITARY AFFILIATE RADIO SYSTEM (MARS):

The Army, Navy and Air Force MARS organizations will each have separate sessions during the Convention. Learn more about MARS while at the Convention . . . maybe you will want to join up. Each group will be reviewing the history, purpose and mission of their respective MARS organization.

ARMY MARS: Speaker—Don Biltcliffe, WD4BEJ, Assistant Director, North Carolina Army MARS (Charlotte, NC).

NAVY MARS: Speaker—P. L. Burt, W4OFO, Director, North Carolina Navy MARS (Swansboro, NC).

AIR FORCE MARS: The Air Force MARS group will also be holding their State Meeting at the Convention. If you are a member, or just interested, be sure to attend. Coordinator—Barry Mulvaney, WA4WHJ (Charlotte, NC).

AUTOMATIC CODE RECEPTION: Now this should certainly get your attention . . . especially if you just missed passing the 20 wpm test today. A unique piece of equipment will be reviewed by its manufacturer . . . Kantronics of Lawrence, Kansas . . . and you may visit with them further at their booths #101 & 103. Speaker: Phil Anderson, WØOXI, Kantronics (Lawrence, Kans).

USING THE HOME COMPUTER IN YOUR STATION: Computerland of Charlotte will discuss and demonstrate applications of their "Apple II" computer with emphasis on how you can make use of it in your Amateur Station . . . like copying the morse code, really? I had better come see this for myself. Speaker: Bill Kearns, Computerland (Charlotte, NC).

OSCAR AND AMSAT: Have you been wanting to learn more about satellite communications but didn't know where to start? We have a real treat for you. Our speaker will be discussing how you can get started, what you will hear, the AMSAT organization, and the future of satellite systems. Come hear how the future will be in Amateur Radio, and the future is now. Speaker: Jerry Malin, WB2LEI (Endwell, NY).

TEENAGE AMATEURS: Come meet with the new breed of Hams . . . the gang that will be "running the show" in a few years. If you are a teenager, or if you will be soon, or have been in the past, you will want to come and exchange ideas and interests. Speaker: Henry Su, WD4NTE (Lexington, NC).

ACTIVITIES OF THE EASTERN NORTH CAROLINA DX ASSOCIATION: This Association has grown rapidly from its charter meeting held at the Fayetteville Hamfest in August 1978. A monthly news bulletin is being printed and the group is serving as QSL Manager for a number of DX stations. See what this organization is doing and has plans to do. Speaker: Gene Tyree, N4ANV, President, Eastern NC DX Association (Fayetteville, NC).

IRAN AND AMATEUR RADIO: Get a first hand account of the recent problems in Iran plus hear the adventures of how it is to work DX from the "other side". Speaker: Mike Smedal, EP2LI (Tehran, Iran).

NAVASSA DX'PEDITION: Navassa was again put on the air in November, 1978, by an adventurous group from "stateside". Being in the Caribbean, don't you picture a sandy island filled with palm trees? Man won't you be surprised . . . come see this show. Speaker: Dave Johnson, WA4SSU (Ellenwood, GA).

THE MALDIVES AND SRI LANKA: A trip half way around the world was necessary for Carl and Martha Henson so we could have the privilege of "working" the Maldivian Islands. Where? Well, the Maldives are located in the Indian Ocean and don't have a representative on the Ham bands . . . so it really is a "rare" one. Come see this show which also includes a stopover in Sri Lanka, formerly Ceylon. Speakers: Carl and Martha Henson, WB4ZNH and WN4FVU (Jonesboro, GA).

OPERATING FROM PAPUA, NEW GUINEA: Amateur Radio, life, and conditions from a part of the world really "unique" to our lifestyle. A Catholic Missionary living in the jungles of New Guinea with a real story to tell . . . see you in this one. Through daily schedules with K4MQG in Charlotte, P29MM keeps in touch with all of us . . . and if you are a DXer, chances are good that you have one of his QSL's. Visit with our . . . Speaker: Father Mal McBride, P29MM/WØMLH (Mendi, New Guinea).

THE DESECHEO OPERATION: The latest country to be added to the ARRL Countries list is Desecheo Island, located in the Caribbean near Puerto Rico. Desecheo was placed on the air for the first time just two weeks ago and we are very pleased to provide you with the first showing of the Desecheo operations. Speakers: Roger Burt, N4ZC (Mt. Holly, NC) and Don McDaniel, N4EA (Chesapeake, VA).

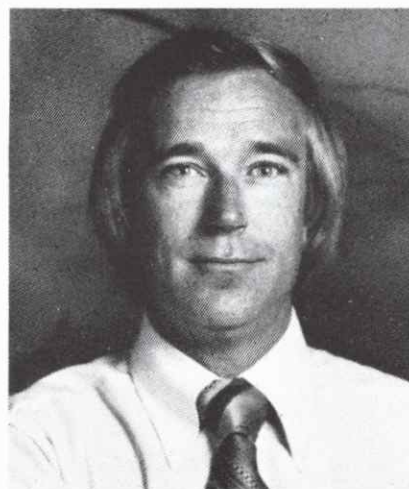
AMATEUR RADIO IN JORDAN AND THE MIDDLE EAST: Ever want to meet King Hussein of Jordan, JY1? Well, we had hoped that King Hussein would be able to be with us . . . the invitation was extended but due to prior commitments, he was unable to attend. However, he has participated in assembling a slide and tape program prepared specifically for the 1979 Metrolina Hamfest, and he has sent his personal representative, Captain Clyde Huddleston, JY9DI/5B4DI, to be with us and make the presentation. Come see this special forum which should be of interest to everyone.

Meet Your Officials



HARRY DANNALS, W2HD

Harry Dannals was elected President of the American Radio Relay League in 1972, and has served in that capacity since. Harry served as SCM of New York City, Vice Director of the Hudson Division and later as Director of the Hudson Division before being elected to the office of President. He is a Commander in the Naval Reserve and is employed by the Sperry System Management Division of Sperry Rand as a Senior Engineer. Two of Harry's four children are also Amateurs—WB2UZU and WA2FEW.



JOHN LINDHOLM, W1XX

John Lindholm was named Communications Manager of ARRL on January 1, 1979. Overseeing the operations of the Communications Department covers a wide variety of Amateur activities including the National Traffic System, Emergency Preparedness, Contests, Proficiency Programs, Public Service activities and much more. First licensed as WN1DGL in 1954, John is active on 80 through 2 meters. He is very active in traffic nets, DXing and Contests. He has also served as SCM of Western Massachusetts, SEC of Connecticut, and Vice Director of the New England Div.



PHIL WICKER, W4ACY

Phil Wicker has served as the Director of the Roanoke Division since 1974 and before that served as Vice Director. Phil has been licensed since 1930 and has been active in just about all phases of the hobby including traffic handling, emergency preparedness and DXing. If you attend Hamfests in the Roanoke Division, you have surely had the opportunity to meet Phil—for he really gets around. Phil and his wife Alice, WA4ZMA, own Standard Theatre Supply Company in Greensboro, NC.

GAY MILIUS, W4UG

Gay Milius has served the Roanoke Division as its Vice Director since 1976. He has also had the distinction of serving as Vice Director of another Division—the Hudson Division back in '50 and '51. Formerly W2NJF and W4NJF, Gay has run the list as far as Amateur activities are concerned. He holds a total DX country count of 340 so you can see where he has spent a lot of time. Presently Gay is serving as ARRL Board Liaison with the DX Advisory Committee. During World War II Gay was recalled into the Navy where he decided to remain until retirement. When not on the road visiting clubs, attending Hamfests, or conducting ARRL business in Newington, Gay works DX from his home in Virginia Beach, VA.

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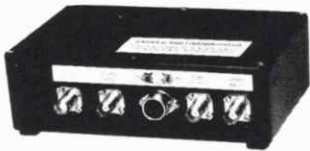
MODEL	FREQUENCY	POWER	
		IN	OUT
6M3-50P	50 MHz	3	50
6M10-120P	50 MHz	10	120
2M10-80P	144 MHz	10	80
2M25-150P	144 MHz	25	150
2M30-160P	144 MHz	30	160
2M10-250P	144 MHz	10	250
VHF10-70P	148-74*	10	70
VHF30-150P	148-74*	30	150
1.3M10-70P	220 MHz	10	70
1.3M30-140P	220 MHz	30	140



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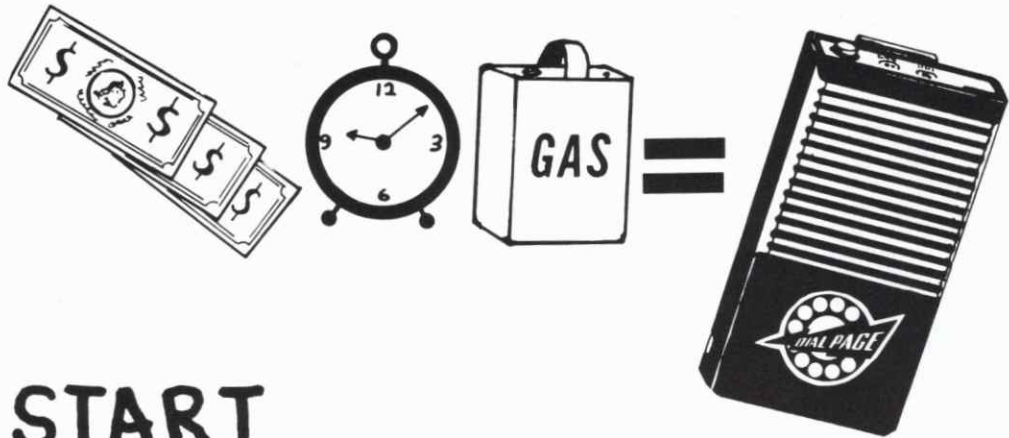
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SECTION EMERGENCY COORDINATOR (SEC) Chuck Bino, K4CJZ Greensboro
SECTION TRAFFIC MANAGER (STM) Herb Lacey, N4UE Cary

Traffic Nets Meeting Daily:

Net	Local Time	Freq.	Net Manager	
Tar Heel Emergency Net (THEN)	1930	3923	WB4MMK	Durham
JFK Net (JFK)	1830	3923	WA4CUD	Greensboro
North Carolina SSB Net (NCSSBN)	1930	3938	WB4CES	Charlotte
Carolinas Net Early (CNE)*	1900	3573	KD4D	Aiken, SC
Carolinas Net Late (CNL)*	2200	3573	N4UE	Cary
Carolinas Novice Net (CNN)*	1730	3718	WA4OQS	Asheville
Central North Carolina Tfc Net (CNCTN)	2200	13/73	K4VHT	Winston-Salem
Metrolina 2 Meter Emergency Net	2100	34/94	WA4OJU	Charlotte
RARS 2 Meter Net	2000	04/64	W4FMN	Raleigh
Triangle Radio Alert Net	2030	34/94	WB4GVG	Durham
Cape Fear ARS Net	1900	31/91	—	Fayetteville
Sand Hills Emergency Net	1930	025/625	N4AGP	Rockingham

*Combined Section Net with South Carolina

OFFICIAL TRAFFIC STATIONS (OTS)

W4ACY	Greensboro
N4AGP	Rockingham
WD4CNQ	Murphy
WD4CNS	Murphy
K4DJ	Hickory
W4EAT	Stanfield
WA4FFW	Burlington
WD4FJM	Winston-Salem
WA4FKY	Wingate
K4FTB	Hendersonville
WD4SKI	Kannapolis
K4MC	Raleigh
WB4MQC	Raleigh
WB4MXG	Jacksonville
AA4NC	Roseboro
WD4OCO	Mooreville
WA4OQS	Asheville
AA4R	Charlotte
W4RVE	Fayetteville
WA4SRD	Skyland
K4TTN	Asheville
W4TY	Wilmington
WA4VNV	Asheville
K4VHT	Winston-Salem
WB4WII	Swansboro
W4WXZ	Winston-Salem
WA4YSK	Hendersonville
N4ZH	Hendersonville
WB4ZIQ	Charlotte

OFFICIAL VHF STATIONS (OVS)

N4SM	Lake Junaluska
W4VHH	Greensboro

OFFICIAL BULLETIN STATIONS (OBS)

WA4ACP	Eden	N4NC	Raleigh
N4ALE	Riegelwood	W4OFO	Swansboro
W4AOJ	Gastonia	WA4OJU	Charlotte
W4BUZ	Greensboro	WB4OXT	Matthews
W4EAT	Stanfield	AI4O	Statesville
WB4GVG	Durham	WA4TTS	Shelby
W4HG	Winston-Salem	WB4VHE	Burlington
K4HF	Raleigh		

OFFICIAL OBSERVERS (OO)

N4AA	Asheville
K4BE	Winston-Salem
W4BUZ	Greensboro
N6DR	Chapel Hill
N4KJ	Asheville
K4KH	Raleigh
N4PU	Raleigh

OFFICIAL EMERGENCY STATIONS (OES)

WD4AAM	Leicester
W4EHF	Fayetteville
WD4HCY	Skyland
W4IZI	Burlington



NORTH CAROLINA EMERGENCY COORDINATORS (EC)

COUNTY	EC	COUNTY	EC	COUNTY	EC	COUNTY	EC
ALAMANCE	WB4SGA	CUMBERLAND	WB4TRW	JOHNSTON	WB4VQP	RANDOLPH	-
ALEXANDER	-	CURRITUCK	-	JONES	-	RICHMOND	N4AGP
ALLEGHANY	K4QFQ	DARE	W4PCN	LEE	-	ROBESON	K4NUG
ANSON	-	DAVIDSON	WB4EMG	LENOIR	WB4UOU	ROCKINGHAM	-
ASHE	-	DAVIE	WA4KXX	LINCOLN	-	ROWAN	W4OCZ
AVERY	-	DUPLIN	-	MACON	K4AIH	RUTHERFORD	K4IOF
BEUFORT	-	DURHAM	W4LEN	MADISON	-	SAMPSON	WD4IYA
BERTIE	WA4UQC	EDGECOMBE	WA4UQC	MARTIN	WA4UQC	SCOTLAND	-
BLADEN	K4JEX	FORSYTH	WB4KZF	McDOWELL	K4IOF	STANLY	WA4ZIA
BRUNSWICK	WD4IYA	FRANKLIN	WD4COE	MECKLENBURG	WB4KOH	STOKES	-
BUNCOMBE	WB4PLA	GASTON	W4WDE	MITCHELL	K4IOF	SURRY	AA4RW
BURKE	K4AI	GATES	-	MONTGOMERY	-	SWAIN	K4AIH
CABARRUS	W4DSU	GRAHAM	K4AIH	MOORE	-	TRANSYLVANIA	-
CALDWELL	N4ACA	GRANVILLE	WA4JCS	NASH	WA4UQC	TYRRELL	-
CAMDEN	-	GREENE	-	NEW HANOVER	WD4FTR	UNION	WA4FKY
CARTERET	W4FOF	GUILFORD	KB4IZ	NORTHAMPTON	-	VANCE	-
CALDWELL	WB4ZIN	HALIFAX	-	ONSLOW	WD4NCT	WAKE	W4FMN
CATAWBA	-	HARNETT	WA4FKI	ORANGE	-	WARREN	-
CHATHAM	WA4WQR	HAYWOOD	N4SM	PAMLICO	K4BGD	WASHINGTON	-
CHEROKEE	K4AIH	HENDERSON	-	PASQUOTANK	-	WATAUGA	-
CHOWAN	-	HERTFORD	-	PENDER	-	WAYNE	K4JJW
CLAY	K4AIH	HOKE	-	PERQUIMANS	-	WILKES	-
CLEVELAND	-	HYDE	-	PERSON	WB4ZIN	WILSON	-
COLUMBUS	WD4LVM	IREDELL	WD4FFX	PITT	KE4I	YADKIN	-
Craven	W4SOT	JACKSON	W4VOX	POLK	-	YANCEY	WA4LLR

Support your EC don't have one? Contact K4CJZ or AA4R for more information.

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2301 - 3637 E. Independence 535-1522

2302 - 4500 N. Tryon 596-7898
2304 - 5401 Pineville Rd. 523-1258
2324 - 5628 E. Independence 536-1520
2332 - Providence Sq. Sh. Ctr. 364-1527
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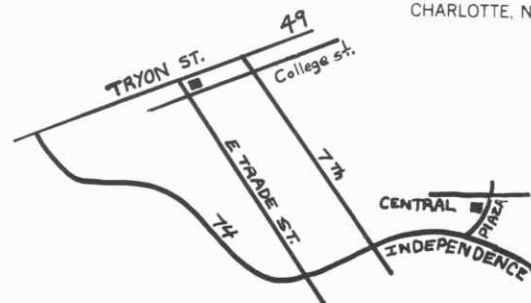
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See what just some of the many satisfied Hams say about the Wilson Antennas.

THE Wilson GIVE-A-WAY

Wilson Electronics announces a factory authorized rebate program. Here's how it works:

Purchase a TT-45 and a System Three at the same time and Wilson will give you a factory 5% rebate from the price you paid for the package. You can use this to pay for the concrete to install it, or buy the XYL a little something to keep her happy! Or . . . we will give you, at no charge, a M-27, the best 7 element, 2M beam available today! The choice is yours to make!

Just send Wilson the receipt of your purchase from your dealer, showing your cost, and let us know what you want - 5% cash, or a M-27. Receipt must be mailed before June 1, 1979.

Available for inspection at the METROLINA HAMFEST

SPECIFICATIONS TT-45 TOWER

- Maximum height, 45'
- 800 lbs. winch with padlock feature
- 2800 lb. raising cable
- Totally freestanding with proper base
- Total weight, 189 lbs.

Recommended accessories:
RBRF-10, SBRF-10, CBRF-10.

The TT-45 is a freestanding tower. Ideal for installations where guys cannot be used. If the tower is not being supported against the house, the proper base fixture accessory must be selected.

SY-3 TRI-BAND ANTENNA

Band MHz	14-21-28
Maximum power input	Legal limit
Gain (dBd)	8 dB
VSWR at resonance	1.3:1
Impedance	50 ohms
F/B Ratio	20 dB
Boom (O.D. x length)	2" x 14' 4"
No. of elements	3
Longest element	27' 4"

Turning radius	15' 9"
Maximum mast diameter	2" O.D.
Surface area	5.7 sq. ft.
Wind loading @ 80 mph	114 lbs.
Assembled weight (approx)	37 lbs.
Shipping weight (approx)	42 lbs.
Direct 52 ohm feed or balun	
Maximum wind survival	100 mph

M-27 - 7 ELEMENT 2M BEAM

Band MHz	144-148 MHz
Gain	11 dB
VSWR	1.2:1
Impedance	50 ohms
Boom (O.D. x length)	1" x 64"
Number of elements	7
Longest element	40"

Beam width @ 3 dB pt.	27 degrees
Turning radius	37.13"
Mast diameter (O.D.)	1" - 1 1/2"
Surface area	44 sq. ft.
Wind loading @ 80 mph	5.5 lbs.
Shipping weight (approx)	6.5 lbs.
Assembled weight (approx)	3.5 lbs.

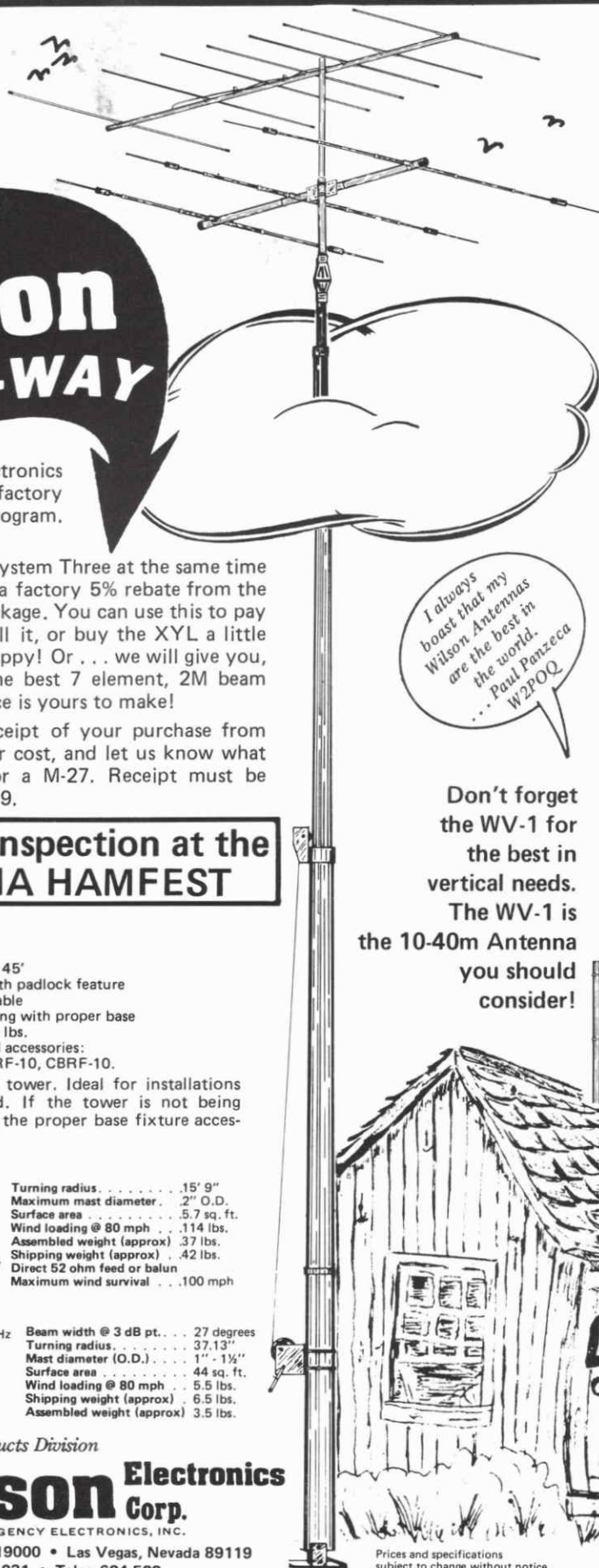


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WV-1 SPECIFICATIONS:

- Input impedance: 50 ohms
- Power handling capability: Legal limit
- Two High-Q traps with large diameter coils
- Low angle radiation omnidirectional performance
- Taper swaged aluminum tubing
- Automatic bandswitching
- Mast bracket furnished
- SWR: 1.1:1 on all bands • 1 1/2" O.D. heavy wall aluminum tubing
- Does not require guying
- Overall length: 19' 8"

Prices and specifications subject to change without notice.

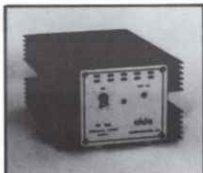
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A Little Midnight Oil. Our technical people stayed up nights fitting 5 bands into our standard model 103 chassis. The result is the Alda 105. It's a marvel of engineering. And now it's ready for you to enjoy.

Companionship on the Road. You'll have the power to stay in touch wherever you go. 250 watts PEP or dc input on 80, 40 and 20, 200 watts on 15 and 10 meters.



The PS-130 delivers 30 amps regulated and requires 117v or 220v, 50/60 Hz input.

The ultra-stable VFO and solid-state, broadbanded final make mobile operation a real pleasure. You'll also appreciate the standard RIT feature.

Wide Frequency Coverage. On 80, 40 and 20 meters you get complete band coverage. Plus MARS frequencies without modification to the transceiver.

The Alda 105 covers all the 15 meter band, and from 28.5 to 29.0 MHz on 10 meters. Optional crystals are available for additional coverage on 10 meters, including the novice band.



The PS-115 delivers 18 amps unregulated and requires 117v or 220v, 50/60 Hz input.

Mobile Power. The transceiver requires a nominal 13.8 volts dc input at 20 amps. When you oper-

ate mobile, just connect the transceiver directly to the battery.

Base-Station Power. For base-station operation, you'll need an ac power supply. The Alda PS-130 will give you full rated power on SSB and CW. The PS-115 will give you full power on SSB and 75% of full power on CW.

Summary Specifications.

Frequency Coverage . . . 3.50 to 4.05, 6.95 to 7.50, 13.95 to 14.50, 20.95 to 21.50, 28.45 to 29.00 MHz

Input Power
With power from car or Alda

PS-130 . . . 250 watts PEP or dc on 80, 40 and 20 meters, 200 watts PEP or dc on 15 and 10 meters

With power from Alda

PS-115 . . . 250 watts PEP/200 watts dc on 80, 40 and 20 meters, 200 watts

PEP/175 watts dc on 15 and 10 meters

Dimensions . . . 3¼ inches (82 mm) high, 9 inches (228 mm) wide, 12½ inches (317 mm) deep

Weight 8½ lbs. (3.77 kg)

\$595 Introductory Price. See your dealer or write to us directly for ordering information. Our address is Alda Communications, Inc., 215 Via El Centro, Oceanside, CA 92054. Phone (714) 433-6123.

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Model PS-115 Power supply . . .	84.95
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