

Published By and For The  
GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD

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Processing:	Charlie Sketchley, K2PQD	Business MGR.	
Demonstrations:	Walt Ashton, WB2OYQ		

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CROSSTALK STAFF

Tony Starr, WA2FZB, Editor	Ed Sumek, W2GSN, Printer
Pinky Wilson, Typist	Al Trueblood, KA2KGD, Circulation
John Sutocky, KB2GL, Printer	Charlie Sketchley, K2PQD "
	Milt Goldman, K2WIL, Publisher

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CLUB NETS

10 Meter	Friday, 10:00 PM	28.775 USB
ARES Net:	Sunday, 8:00 PM	147.78/18 rtpr
75 Meter Net -- Will resume in the Fall.		
Club Swap Net	Sunday, 8:30 PM	147.78/18 rtpr
Club News Broadcast via K2QGH	Sunday, 7:50 PM	147.78/18 rtpr
Club Repeaters:	147.78 - .18, 224.66 - 223.06, 442.1 - 447.1	

The Gloucester County Amateur Radio Club meets the first Wednesday of each month at the VFW Hall in Woodbury Heights. Meetings begin promptly at 8PM.

Please send any contributions for CROSSTALK to Tony Starr, WA2FZB,

Deadline for submissions is 10 days before Club Meetings.

## PRESIDENTS MESSAGE - JULY, 1984

Another Field Day under our belt. I hope that those of you that participated in the clubs Field Day activity enjoyed yourselves and the friendship of those who were side by side with you. I for one would have liked to have been there but our plans for a vacation down south won out.

The Hamfest is rapidly approaching. Have you sold your tickets? It would greatly help the Hamfest committee if you would turn in your ticket money ASAP to help meet the expenses incurred. Don't forget, it takes a lot of people to make the Hamfest a success, make sure you get a hold of Bill, WA2VEE, and volunteer to help out.

A REMINDER: The July meeting is to be held one week late due to the Fourth of July holiday. The meeting will be on Wednesday, July 11th. The meeting will begin at 7:30 PM due to the length of the Skywarn training program. Extra refreshments and breaks are scheduled to give you a chance to unwind. We plan to finish the Business meeting by 8:15 PM and get right into the program.

ANOTHER REMINDER: All those who plan to participate in the July 22nd American Cancer Society Bike-a-thon activity are asked to attend this meeting. Tee-shirts, info packs and last minute details will be given out. Also, last chance to sign up for the activity so BE THERE.

Have a safe and happy Fourth of July.

Harry WA2VXT

### JULY PROGRAM

Program chairman and Vice President, Tom, KB2GI, is pleased to announce a very special program this month. It is the Skywarn Training Session, a very educational and informative lesson on how we should deal with dangerous weather conditions and how to properly report such conditions to the Skywarn Net. As Harry, WA2VXT, reported above, the meeting will begin early to allow plenty of time for this important program and extra refreshments, courtesy of Jim, N2AKI. Lets come out and learn on Wednesday.

### AMERICAN CANCER SOCIETY BIKE-A-THON

Don't forget, the Bike-A-Thon is coming up on July 22. If you plan to participate, be sure that you have contacted HARRY, WA2VXT, so that he can schedule your assignment.

### HAMFEST - 1984

Chairman Bill, WA2VEE, has reported that all plans are coming along well. Help is needed by Len, KD2CR, at the club sales table and by Bill, N2EWY (formerly KA2TRP), with driving the shuttle Buses. Most importantly, SELL THOSE TICKETS! We need the money to make this the Best Hamfest Yet.

### FIELD DAY - 1984

Those of you who missed this year's Field Day (our esteemed President included) are most unfortunate indeed. Chairman Jim, KA2OSV, kept a steady hand on the rudder throughout the entire enjoyable weekend. Hearty appetites were skillfully quenched by Charlie, K2PQD; Howard, K2QGH; and

their talented XYL's. The weather was fine and many were toasted medium-rare by Saturday's brilliant sunshine.

On Murphy's side were several equipment failures and relatively poor band conditions on 15 meters. ANTENNAS, However, worked great this year including the 3.9 MHz inverted - V which was supported by the club's spectacular D.O.D.-surplus crank-up mast. Early logs received by Jim show good totals of QSO's. A full report on our score will be given next month and it looks like we may do quite well. Thanks and best 73's are offered to all who participated.

FROM THE EDITOR'S DESK

With the help of an efficient Crosstalk team, I hope to maintain the same high standard of quality offered by our previous editor, Doug, WA2NPD. I invite all members to submit articles and information to me often and look forward to many good, informative issues of our newsletter. Remember, all issues will be submitted to the typist 10 days before each meeting, so be sure to have your articles to me before that date. I hope to hear from all of you soon.

73's - Tony Starr, WA2FZB

LES BELLES

Many women have found a way to help others by making amateur radio call letters and other designs on hand made articles. For the benefit of any YL, or even you OMs - here's a few suggestions of "how to" get some of these personal hand made items:

Handknit custom bulky amateur radio two-colored sweater-jackets: Your callsign on upper back tower & beam antenna on lower back send S.A.S.E. for details:

Mrs. Dottie Staffeldt-WB9NCT

Custom sweaters made on a knitting machine your name and callsign or other preferences send S.A.S.E. for details:

Mrs. Marilyn J. Hazelton N8BFI  
Assistant Circulation Manager - YLH

Custom made wooden call letters send S.A.S.E. for details:

Mrs. Dot Bedford - K4AOH

You might mention when you send in your S.A.S.E. that I had told you about their work. You have probably already seen some of these items as you tour conventions, hamfests, or in the shack of many other hams. And, these gals are trying to earn some money for the YLRL Convention to be held in 1985 out in Las Vegas, Nevada.

73,

Rose Ellen Bills - N2RE

SWAP & SHOP

FOR SALE: Drake TR-4CW Tranceiver  
 RV-4C Remote VFO  
 MS-4 Speaker/Power Supply  
 DC-4 Mobile Power Supply w/cable  
 Included: Instruction Manual, 500 Hz CW Filter  
 Excellent working condition.

Turner 350 Ceramic Microphone  
 Midland Dynamic Microphone w/four-prong female plug

For all above items, contact John, K2JF

FOR SALE: AMCOMM 2-Meter Amplifier Multi-mode (cw/ssb/fm)  
 80 watts out with 10 watts drive  
 BEST OFFER - Contact Chris, KC2PC on the air

WANTED: 19" RACK, 6 Feet TALL  
 Contact Tony, WA2FZB

DX DOPE

By WA2OOS and NC2V

BAND CONDITIONS:

For the most part June has not been a good month for DX.

The 10M Band has, for the better part of the month, been DEAD. The 15 and 20 meter bands have been the best DX band during the Day Light hours, but after sunset, 15 M activity drops to almost nill.

40 and 80 meter are still providing good DX during the hours of darkness with 40 being open to the Pacific and 80 opening up to South America.

DX REPORT:

HKØ San Andrews Island - HKØHEU is very active on 10,15 and 20 meters. If requested he will set up sked's on 40 and 80M. QSL viz HKØFBB.

CEØ San Felix - The Chilean government has turned down the request of a CE group which was trying to obtain permission to operate from San Felix. The government has also stated it will not allow operation from the island before 1988!

ZL7 Chatham Island - The cards from ZL1AMO operation are coming out.

SV9 Crete - Look for KAØCYR/SV9 he will be there for about 3 years. OSL via WB4TDB.

TA Turkey - Mustafa TZ1MN has become very active on 15 and 20 M. He can be found on 14.030 - .040 MHz around his sunrise which is 0045UTC. QSL direct with 4ICR's to Box 33 Istanbul, Turkey.

VU7 Andaman - The group that put on the fine operation from VU7WEY in the Laccadives is trying to gain permission for an operation from Andaman Island.

5X Uganda - G8GRN/5X is active from Uganda but his card is not accepted (at this time) for DXCC.

HS Thailand - It has been reported that several HS stations have been worked on 20M by Europeans.

YVØ Aves Island - QSL card for the YVØAA operation are in the Mail.

S05 - Poland - Special call in use thru May 31 by LA4DCA and LA1PBA.

75K Sweden Special call to be used by members of the Swedish ARC from June 8 till the 10th.

1S Spratly Island - Possible operation by DULCK during the second week of July and also KE6PU/DUL in August if he can obtain permission.

DJ5CQ/SV/A Mount Athos - The only fact that we can be sure of is that he was there!

SU Egypt - Look for WD5AJE/SU after ØØØØ atc on 20 meters. QSL via APO NY 09679

FR Glorioso Island - Possible operation by FR7ZD in the near future.

#### CONTEST CORNER

Field Day is now history. Murphy visited a few times but wasn't strong enough to prevent some respectable scores by virtually all concerned. The 80, 40 and 20 meter stations were all busy and rumor has it that Walt's (WB2OYQ) 20 meter crew de-throned N2CQ's 40 meter CW gang. Unfortunately band conditions on 15 meters were poor which adversely affected our CW & SSB scores. This year's effort was again well-organized and congratulations for a job - well - done are due Tony WA2FZB and Jim KA2OSV. Running those pile-ups works up a kilowatt sized appetite but Charlie Sketchley's crew were the heroes of the hour as the food was good, plentiful and, most important, much appreciated!

## JULY EVENTS

July 14 - 15	IARU Sport Contest
21 - 22	Seanet CW
21 - 22	QRP Summer Contest
28 - 30	County Hunters CW

The Radio Sport contest has become very popular with stateside and DX OPS alike. Many awards are available and virtually everything is workable. Rules ck for all of the above are in QST & CQ.

## UP COMING

August	4 - 5	ARRL UHF Test
	11 - 12	DARC Euru CW
	11 - 13	New Jersey QSO Party
	18 - 19	Seanet SSB
	25 - 26	All Asian CW

July & August have many good DX oriented events. If your looking to boost your DXCC total operating these contests can help.

Enjoy the July meeting. Your contest editor will be basking in the sun (hopefully) in Ocean City but will see everyone in August.

73,  
WB2GES

## CLUB MEMORIAL SERVICE HELD

Our June meeting featured a short memorial service in remembrance of those members who have joined the Silent Keys. The service was coordinated by Charlie, K2PQD, and Howard, K2QGH. We were pleased to have the service conducted by our own Rev. Bill Rhoads, K3ALS, whose father, also a fellow ham, was present as a guest. Let us not forget the names and calls of the following members:

Bill	Bills	W2CDZ
Howard	Carter	WA2OVQ
Frank	Ciancaglioni	K2JLY
Ray	Gianchetti	WA2CUB
Fred	Cowgill	WB2GEK
Tad	Deuber	W2CKX
Will	Dolby	K2OHX
Doc	Greene	W2CPI
Frank	King	WA2WGA
John	Kull	WB2GKH
John	Laurusonis	WA2IVZ
Mal	Mason	W2MMD
Steve	Pakyz	W2PZX

Harry	Perry	WA2IAZ
Bill	Shaw	W2PVI
George	Stuart	K2SOL
Paul	Thomson	WA2PGJ
Don	Thomson	WA2TSG
Van	Turner	W2KE
Paul	Walton	W2YNR

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The Club offers our deepest sympathy to Dom, W2DWE, upon the recent loss of his wife, Pat.

#### CONGRATULATIONS TO

Al Gartner, AE2V, married on May 26, 1984, in North Augusta, SC. Best wishes to Al and his new bride.

#### JUNIOR MEMBERSHIP APPROVED

The New Amendment had its final reading at the June meeting and was approved by the membership. It allows any ham under the age of 18 to enjoy full membership, except for the right to run for office, for only one half the regular dues cost. Your Board of Directors hopes to encourage younger amateurs to join GCARC, and most members agree that the future of the club will ultimately lie in their hands.

#### CLUB PROPERTY SOUGHT

The Trustees have been ordered by the President and Board of Directors to compile a complete list of all club property and its whereabouts. If you have in your possession or know of anyone who is storing club equipment, please contact Charlie, K2PQD. The trustees need your help in order to be 100% effective in completing this important assignment. Please cooperate if you can.

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#### "A-TEAM" DEMO SCHEDULED

It was announced at the June meeting that our Demonstrations Committee, the "A-Team", is holding another fine demo. at the Deptford Mall on Sunday, July 8, 1984. They plan to illustrate HF, VHF, and computers. Sounds like it will be another successful event.

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On May 22nd, ARRL and AMSAT formally proposed to NASA that Astronaut Tony England (WØORE) be permitted to operate amateur radio during his Shuttle flight scheduled for next March using 2-meter equipment identical

to that of Owen Garriott, W5LFL. League President Larry Price (W4RA) and AMSAT's Tom Clark (W3IWI) said their goal was to involve as many amateurs as possible. They also noted that this would be an ideal vehicle to bring many of the nation's youth into direct contact with the space program through ham radio contact with school club stations ... something that Tony England had previously expressed a desire to do. The proposal also suggests a 10-meter downlink to carry received 2-meter audio and SSTV (slow-scan television) generated within the orbiter. NASA is expected to respond to the proposal shortly.

TNX W5YI Repost & K2JF

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HAMS INTERESTED IN MOUNTING A MAJOR DXPEDITION effort should consider the rare and exotic spot known as ARRL Headquarters in Newington, Connecticut. It seems the present FCC rules prohibit League staffers from operating the WLAW facility while on their paid employment time, except for normal maintenance and scheduled WLAW bulletin and code practice transmissions. In fact, the operator shortage has become so acute that the League has filed a petition with the FCC to permit their licensed staff amateurs to put the station on the air for normal amateur contacts. Currently, these are mainly handled by visitors only. If the Commission fails to approve this request, a DXpedition to Newington may not be as silly as it first seems, since the primary purpose of WLAW is that of a ham station, as described in the FCC Rules.

USING AN AUTOMATIC ID AS A BEACON IS ILLEGAL according to the FCC. In a letter to Southern California Frequency Coordinator and VRAC member Karl Pagel, N6BVU, Carol Fox Foelak of the Commission's Enforcement Branch wrote, "This is in response to your letter dated April 18, 1984, concerning automatic identifiers on amateur repeaters. Amateur repeaters should be identifying only when they are retransmitting signals they have received. It is not permissible for a repeater to be automatically identified every three minutes or other interval when it is not retransmitting signals. Such transmissions are prohibited by Section 97.113 of the Commission's Rules on broadcasting." Pagel made inquiry of the FCC because of a dispute between two currently uncoordinated repeaters vying for a channel pair. Both were using IDs to serve as notice that their systems were in operation. According to the FCC, such activity is illegal and citations will be issued against repeater operators who do it.

PERSONAL COMPUTERS are being banned for in-flight use on passenger-carrying airliners. Several lines, with Eastern being the latest, have taken this action because of potential interference to flight navigation equipment caused by RF radiation and leakage from the devices. Major aircraft manufacturers and airlines plan comprehensive tests on virtually all units now marketed to determine the interference potential and will then decide whether a permanent ban is necessary. In the meantime, it is advised that you check with your travel agent or directly with your airline if you plan to use a personal computer while airborne. The extent of the ban varies from carrier to carrier, with some airlines even forbidding passenger use of hand calculating devices.



While most airlines are banning computers on their aircraft, United Airlines is offering free in-flight video games to its passengers on an experimental basis. The games include electronic checkers, backgammon, poker and several others, and are built into the food service tray on a specially retro-fitted Douglas DC-8 jetliner. United calls this an experiment to check passenger reaction to the games, and so there is no additional charge for their use at this time. Currently, only one aircraft that flies between Seattle, San Diego, Chicago and Las Vegas has the \$1200 a piece, specially constructed and shielded video units on board, but if they gain customer acceptance, United may retro-fit other aircraft in their fleet as well.

TNX CNN United Airlines.

UoSAT-2 (OSCAR 11) IS BACK ON THE AIR. (Story by Vern Riportella, WA2LLQ.) After 10 weeks of silence, the newest amateur satellite has responded to a command transmitted by a ground station at the University of Surrey near London, England. OSCAR 11 is the second amateur radio research satellite built at the university with the help of AMSAT organizations worldwide. It was successfully launched from Vandenburg AFB on March 1, but after only 3 orbits, the spacecraft fell silent and has remained unresponsive ever since. After much work, a command on May 14 had the desired effect, with the two meter beacon springing to life and yielding, at last, the telemetry that may disclose the reason for the two month long silent period.

Preceding the successful recovery of OSCAR 11, a remarkable series of measurements were made by SRI International scientists and engineers. Under the leadership of Dr. Robert Leonard, (KD6DG) of SRI Headquarters in Menlo Park, California, a team in Greenland used a 100 foot dish antenna with a very sensitive receiver to listen to OSCAR 11's command receiver. The feeble bleed-through emissions of the 1.2 GHz receiver were heard on the ground in Greenland, and based partially on this observation, University of Surrey controllers learned that OSCAR 11/UoSAT-2 was, in fact, still alive and precisely where it was.

The recovery of the satellite is now underway, with the university's controllers busily checking out the various on-board systems. It could eventually become one of the most popular of the amateur satellites, even though it does not carry a transponder. Its digital communications experiment will provide a vivid demonstration of packet radio "store and forward" operation, and thus, in a sense, will preview the planned PACSAT type satellite.

PACSAT is planned for a launch in 1986, and an interesting article on the bird appears in the May issue of Byte Magazine. OSCAR 11 also contains a slow-scan ATV capability, a synthesized voice telemetry system and numerous scientific experiments as well. Significantly, each of these experiments is accessible to any amateur who owns a 2 meter radio. Telemetry can be heard on 145.825 MHz, with the second beacon on 435.025 MHz and an S-band beacon at 2304.5 MHz.

TNX to Westlink Report and K3WIL

#### CLUB QUESTIONNAIRE

The last page of this issue is a copy of the form used to gather information for our club database. If you haven't yet turned this in, please fill it out and return it to Charlie, K2PQD, ASAP.

**GLOUCESTER COUNTY AMATEUR RADIO CLUB QUESTIONNAIRE**

Name:- \_\_\_\_\_ Date:- \_\_\_\_\_  
 Address:- \_\_\_\_\_  
 City:- \_\_\_\_\_ State:- \_\_\_\_\_  
 Zip Code:- \_\_\_\_\_ Telephone:- \_\_\_\_\_  
 Birth Date:- \_\_\_\_\_ Gender:- \_\_\_\_\_ Married:- \_\_\_\_\_  
 Number of Children:- \_\_\_\_\_ XYL's Name:- \_\_\_\_\_

**Work Status**

Employer:- \_\_\_\_\_  
 Address:- \_\_\_\_\_  
 City:- \_\_\_\_\_ State:- \_\_\_\_\_ Zip Code:- \_\_\_\_\_  
 Type of work:- \_\_\_\_\_  
 Call sign:- \_\_\_\_\_ Handle:- \_\_\_\_\_  
 Date first licensed:- \_\_\_\_\_  
 Other Hobbies:- \_\_\_\_\_

Bands used:-	160 _____	80 _____	40 _____	20 _____	15 _____
	10 _____	2 _____	220 _____	440 _____	
Bands Mobile:-	160 _____	80 _____	40 _____	20 _____	15 _____
	10 _____	2 _____	220 _____	440 _____	
Modes Used:-	CW _____	FM _____	SSB _____	RTTY _____	ATV _____

**Positions Held In Club**

1:- _____	Date:- _____
2:- _____	Date:- _____
3:- _____	Date:- _____
4:- _____	Date:- _____
5:- _____	Date:- _____
6:- _____	Date:- _____
7:- _____	Date:- _____

**Club Awards**

1:- _____	Date:- _____
2:- _____	Date:- _____
3:- _____	Date:- _____
4:- _____	Date:- _____