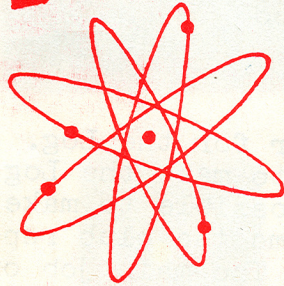
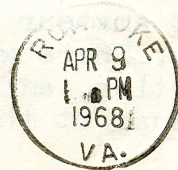


# W4CA LOG



*Amateur Radio News in  
The Roanoke Valley*

W4CA LOG  
P.O. Box 2002  
ROANOKE, VA.



Van Wimmer  
Route 4, Box 423 F  
Salem, Va. 24153

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Published Monthly

SEND ARTICLES FOR LOG TO:

**TOM LAMONS WB4BLJ - EDITOR**  
5629 BRAHMA ROAD S. W.  
ROANOKE, VIRGINIA 24018  
PHONE 774-7726

**W4CA LOG**  
**P.O. Box 2002**  
**ROANOKE, VA.**

Volume 1, Number 3 April, 1968

From The Editor

Help! I need a reporter for the Log. I have found it rather hard to find enough articles to make the Log as large as I would like it. Also, it sometimes is impossible to make it to all meetings. Anyone who would like to become the club reporter please see me at the next meeting on April 12. The main job of the reporter would be to jot down notes of interesting happenings and news of future and past events of the club.

For those who missed the main meeting in March, you certainly missed a very good meeting. I had a good time and it surely was good to see such a large turnout. I understand we accomplished all we had hoped to at this meeting.

This Spring is shaping up quite well. There will be plenty of club activities that will prove interesting. Start making plans now for the hamfest in May and the field day in June. These are two of the biggest amateur events of the year and I know no one wants to miss either. There will be many other activities like picnics, watermelon parties, and gettogethers with the Widders. Everyone come out and support the Radio Club. Remember, it is your club.

Tom Lamons WB4BLJ  
Editor

Published Monthly

By Roanoke Valley Amateur Radio Club, Inc.

# The Widders News



The "WIDDERS" held their meeting at the Club House March 8th with 13 members present. We want to welcome Pat Anderson back into our club as a member. Mrs. Mary Clyburn and Mrs. Anne Long were guests at our meeting.

The "WIDDERS" Club raised \$45.00 at their dinner on March 3rd toward the \$50.00 which we donated to the Men's Club to help on the heat bill.

Please make every effort to attend our meeting on April 12th we will be making plans to help with the Hamfest coming up in May. We need all the help we can get.

Happy Anniversary to Nancy Davis

See you at the meeting APRIL 12th at 8 P.M.

SALLY BOBBITT, Reporter

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Official Bulletins From ARRL Headquarters

Official Bulletin NR 158, March 7, 1968:

The ARRL Board of Directors meets annually in May to formulate the course of ARRL affairs during the coming year. The full members of ARRL elect the Board which has the overall responsibility for managing the affairs of the League. This democratic process is effective only to the extent that the membership participates. Now is the time for members and affiliated clubs to communicate with their division director at the address shown on page 8 of any 1968 QST. AR

Official Bulletin NR 159, March 14, 1968:

On March 12 by voice vote the House of Representatives passed HR 14910 which would give the Federal Communications Commission power to control the manufacture, distribution and sale of electrical devices capable of causing interference to radio communications. The measure now goes to the Senate. Amateurs interested in its passage there may wish to record that fact with their Senators. Other details on this bill will be in the May issue of QST. AR

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New Field Day Rules

Quoting from directors' Letter NO. 1289, Dated March 4, 1968.

Responsive largely to results of the poll conducted by communications Manager Hart some months ago, several changes are being made in the rules for field day 1968. Of primary interest is a new limitation on set-up time, an item widely supported. The Field Day period will be from 1900 GMT Saturday to 2200 Sunday, and no activity may take place at the chosen site prior to the stated opening time except visits for inspection and planning purposes. A new power level, 0-10 watts with a score multiplier of 4, is being added, and other levels are changed to accord more fully with typical transmitter gear: 11-50 watts, multiplier of 3; 51-200 watts, multiplier of 2. For setups completely independent of commercial mains (lights, keyers, etc. as well as radio gear), a 200-point bonus will be added for each such transmitting position.

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Meeting Notice

Don't forget the business meeting at the Club house on Friday, April 12, 1968 at 7:30. This will be an important meeting where we will start making plans for the 1968 Hamfest. Come on out and bring a few ideas with you.

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### Call Letter License Plates

It is that time of the year again and it is as good a time as any to obtain license tags displaying your amateur call. However, you must hold a valid amateur radio license of Technician Class or higher in Zone 4 and have a two-way amateur frequency radio installed and operated in the mobile. Forms can be obtained by writing to Division of Motor Vehicles, Box 1298, Richmond, Virginia 23210, Attention: M. B. Trice. The initial charge is \$4.00 plus regular license fee for the first year and regular license fee plus \$1.00 for each succeeding year. The form must be answered completely and then signed in the presence of a notary public. Return completed form and applicable fee to DMV in Richmond and your license tags will be mailed to you. (Reprinted from the March issue of LARC)

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### Flash:

It has been learned tonight that Jimmy Williamson, WB4FWF, took the General Examination today (April 3) and passed the code. Congratulations Jimmy and we hope you will get your General license soon.

Tom Lamons, WB4BLJ  
Education Director

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### Field Effect Transistor "FET"

The Field-effect Transistor (FET) theory is not exactly new, however, it has been made into a practical and useful device only with gigantic and fast moving strides that have become a natural part of the science of semiconductor technolgh. One of the big hurdles to overcome was the apparent high noise factor that greated the early reserch workers. Intensive research, improved materials, and advanced manufacturing techniques have led to a product that holds great promise of becoming one of the stalwarts of the transistor realm.

In general terms the FET exhibits many of the desirable characteristics of a triode vacuum tube while still retaining many of the desirable characteristics of the ordinary transistor. In normal circuit configurations the FET will have a high input impedance of approximately 100,000 megohms and a midium output impedance of approximately 100K ohms. These impedances compare very favorably with many vacuum tube circuits and yet the low voltage and current requirements and the instant warm-up feature of the ordinary transistor are still realized. Also, because no filament voltage is necessary, many of the a-c hum problems that arise from this point are eliminated.

(Reprinted from LARC Bulletin)

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