

CVFMA newsletter

WINTER 1991

PRESIDENT'S CORNER

Our annual Pot Luck/Meeting was held on October 20th with 48 members and guests present. There was plenty of food and everyone seemed to have their fill as usual. One of our own members, Frank Finger, NU1A, gave a very interesting talk on lightening protection. A business meeting was held along with the election of officers for the coming year. The election results appear later.

FINAL REPORT ON VT HB-403: The meaning is the same as appeared in the September news letter, however this is the way it is on file in Montpelier.

Associations of Amateur radio operators licensed as such by the United States Federal Communications Commission shall not be required to pay a fee or other charge as a condition of either a lease of a sublease of state property executed under this title, for access to mountain top electronic sites designated as such in conformance with policy of the secretary of the agency of natural resources, except that each such association shall be January 1 annually pay a \$25 access fee and submit to the commissioner at that time a list of the association's current membership. - amended 1991, No. 83.

Once again our thanks to Wesley Hrydziusko, K1YRO, and Marten Wood, KA1SMC.
Marten

Hope everyone has a good winter.

73s and 88s, Ham

- MOUNTAIN VIEW - THE TRUSTEE'S REPORT

Thanks to Dave, NG1O, the mystery of the magical disappearing telephone dial tone at Mount Ascutney has been solved. After some high level negotiations with New England Telephone we got our telephone line reinstalled. Seems that they did some rewiring and disconnected our line in the process. We ARE paying our bills, aren't we?

Also, thanks to Ted, N1GMC, and Dave, NG1O, Moose Mountain has never sounded better. They had to do some tuning of the transmit filters and adjusting of the repeater controls. We were all surprised when WB1EAE accessed Moose with 150 milliwatts and a rubber duck. What a location!

Don't forget our repeater maintenance fund which relies on donations instead of dues. The purpose of this fund is to have the funds available to repair and maintain the current repeaters, as well as possibly acquire new machines.

CVFMA could use some good condition coax to build up an antenna to go with our Galaxy V HF transceiver. Said unit is available for loan to any member who is in need of it. Also needed is 222 and/or 440 MHz FM equipment for repeater control projects. Contact me if you have or need anything.

73, Rudy, W1GUA @ WA1FHB BBS

Published quarterly by the Connecticut Valley FM Association. P.O. Box 1628, Claremont, NH 03743-1628. President: Hamilton H. Webb, KA1PVS; Vice President: Rudolf A. Adler, W1GUA; Secretary: Elaine Scott, KA1TWV; Treasurer: Darrel L. Daley, KL7DN; Member-At-Large: Wayland Scott, N1HXC; Trustee: Rudolf A. Adler, W1GUA; Editor: Reade Williams, N1GEP; Program Chairman: Pauline R. Ellis, KA1III.

IMPORTANT DATES

See Announcements for Details

Class Orientation	Dec 17
Annual Club Dinner	Jan 18
Board Meeting	Jan 22
NHQSO Party	Feb 8-9
Club Social	Feb 15
Ham Fest	April 25
Pot Luck Meeting	Apr 26

ARES IN ACTION

The Sullivan County Region ARES (Amateur Radio Emergency Service) unit has had a busy fall season.

In September the unit supported the Sunapee, NH police department at the Endurance Triathlon. Eleven ARES members provided safety and backup communications for hundreds of amazing Triathletes braving a 2.4 mile swim in the waters of Lake Sunapee, a 112 mile bike ride around the lake and topped off with a little (26 mile) run! Operators and equipment performed beautifully even when a house fire just off the course added some unexpected excitement.

The highlight of the season, however, was the October move of the Dartmouth - Hanover Medical Center. Known as M-Day to the Medical Center staff and the news media this exercise presented a challenge to the emergency communications capability of ARES. When all was said and done, 31 ARES members turned out to assist in this real-life emergency test. Hams operated their stations as spotters along the route, and at the move command center worked with the Medical Center coordinators. Hams also rode along as communications operators in specially engineered mobile intensive care units.

The patient move started at 5:00 AM and was completed by 2:00 PM the same day, hours ahead of schedule, thanks in part to the communications system that was in place. Some of the Hams were in action the entire time, some only got to operate for a few hours and some only got to stand by. ALL were an integral part of one of the most meaningful public service events in the New England area. Each participant deserves the thanks which was bestowed on the Ham radio community.

Bob Boyd, N1CIR has submitted an article to QST which describes the role of Amateur Radio in M-day in great detail. Look for Bob's article to appear soon.

Interested in giving back to your community something that you receive every day as part of this great hobby? Why not consider joining ARES? You could add your call to hundreds of members in New Hampshire and Vermont who experience the good feeling of a job well done. These are the "PROFESSIONALS" of the "Amateur" radio community. Why not start your training? Give me a call or drop a note. I'll get you in touch with your ARES Emergency Coordinator and answer any of your questions.

73, Rudy Adler, W1GUA
Emergency Coordinator, Sullivan County Region,
New Hampshire.

MARS & OPERATION HOLIDAYS

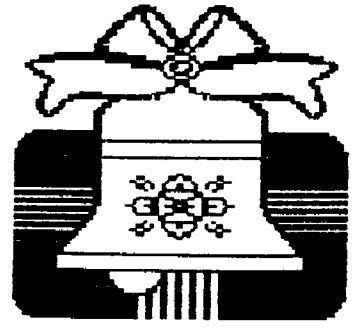
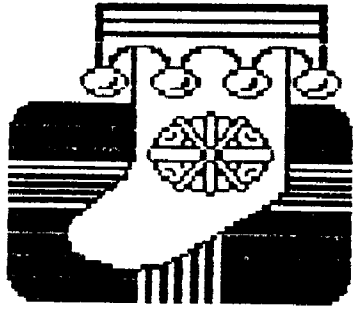
Army MARS is highlighting "OPERATION HOLIDAYS", a public relations campaign designed to promote the use of radiograms and Marsgrams by the public and to develop the habit of using the services of Amateur Radio / Mars.

Most people do not know much about Amateur Radio and Mars or that these services even exist. The public needs to know that both the National Traffic System (NTS) and the Military Affiliate Radio System (MARS) are up and running and are very capable of carrying messages to and from loved ones, wherever they may be.

The Connecticut Valley FM Association has several members who routinely handle both civilian and military traffic. You can help simply by promoting the availability of the free and reliable services offered by Amateur Radio / MARS.

Take some personal action too! Do you have a relative or friend in the service? Why not send them a MARSGRAM wishing them a happy holiday and telling them that you are proud of their service? Operation Desert Storm was a great success for Amateur Radio / Mars. Don't forget these people during the Holidays. If you don't handle many messages and MARS / NTS operator will help draft the message. Try it! Make someone wear a smile!

Rudy Adler, AAR1EQ / W1GUA



HERE'S HOPING

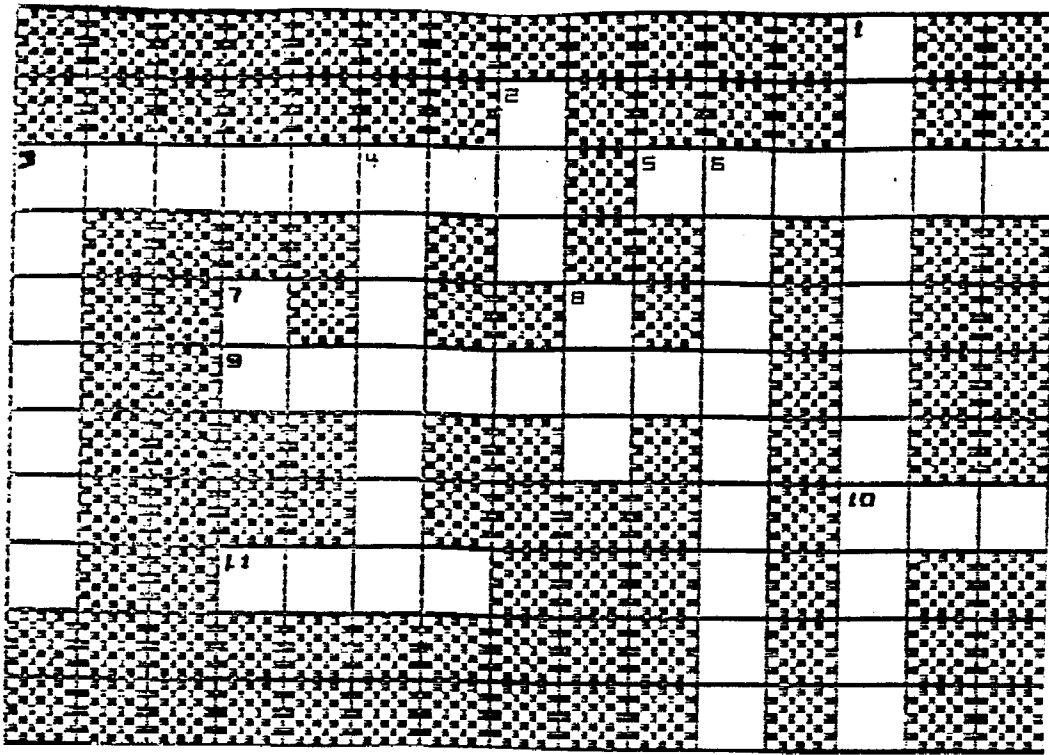
THAT YOU

ALL HAVE A GREAT

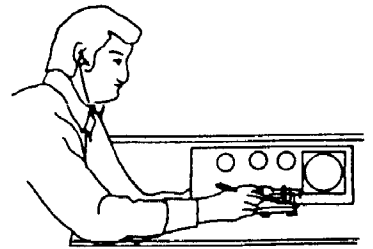
HOLIDAY

SEASON!!

**MERRY
CHRISTMAS**



De GEARS



ACROSS CLUES

3. HAVING A FULL SOUND
5. A TWO-PART ANTENNA
9. THE WIRE BETWEEN RADIO AND ANTENNA
10. THANKS
11. CABLE WITH CENTRAL CONDUCTOR SURROUNDED BY INSULATION

DOWN CLUES

1. THE MANNER IN WHICH RADIO SIGNALS ARE SENT THROUGH THE AIR
2. LOCATION OF HAM, (CITY, STATE)
3. HORIZONTAL WIRES EXTENDED FROM VERTICAL ANTENNA
4. METAL THAT CHANGES CURRENT INTO RADIO WAVES AND VICE VERSA
6. RESISTANCE TO ALTERNATING CURRENT
7. RADIO FREQUENCIES
8. RADIO

HISTORICAL TIDBITS.....de the kids of G.E.A.R.S.

Here's some historical information that might prove interesting to others in our hobby/service. It gives everyone an idea where certain terms originated from. Enjoy.

George Ohm (German physicist who discovered the mathematical law of electric currents called Ohm's law. The "ohm," a unit of electrical resistance, was named for him.)

Alessandro Volta (Inventor of the electric battery. The volt, a unit of electrical measurement, was named after him.)

James Watt (Scottish engineer whose improved engine design first made steam power practicable. The power unit the watt is named in his honor.)

Michael Faraday (English chemist and physicist who discovered the principle of electromagnetic induction. He found that moving a magnet through a coil of copper wire caused an electric current to flow in the wire. The electric generator and motor are based on this principle.)

Andre-Marie Ampere (French mathematician and physicist who discovered the laws of electromagnetism. His invention led to the invention of the galvanometer, an instrument for detecting and measuring electric current. "Ampere," the unit used to measure the rate of flow of an electric current, is named for him.)

NHQSO Party

CVFMA will once again be represented in the NHQSO party. The contest, sponsored by the New Hampshire Amateur Radio Association (NHARA), will be held this year on February 8-9, 1992. Why not join in on the fun and help operate W1GUA in the Claremont area. This is a great opportunity for new Hams to find out what contesting is all about. New rules for the NHQSO party will be published in all the major Amateur Magazines.

de Rudy, N1GUA

ANNUAL DINNER PARTY

The third annual CVFMA club dinner party will be held January 18 at the Homestead Inn, Walpole, NH.

- Happy Hour 5:30 PM
- Dinner 6:30 PM

MENU

Roast Sirloin	Baked Scrod
Chicken Almondine	Broiled Scallops
Ham	

For reservations send a check for \$14.95 per person (includes tax and tip) by January 14, 1992 to:

Pauline R. Ellis
66 Jarvis Street
Windsor, VT 05089

I put my order in for good weather so the most we will have is a few flurries.

de Darrel, KL7DN

MIDWINTER GET-TO-GETHER

Pot Luck Dinner with entertainment by **Woody and the Ramblers**. Saturday, February 15. 12:30 PM until ??? Community Room, Sugar River Savings Bank, Newport, NH.

Be sure to mark your calendar for this one!

de Polly, KA1III

NO CODE CLASS

Rudy, W1GUA and Darrel, KL7DN will be teaching a CVFMA sponsored Novice/Technician class at Steven's High School this Spring. No code will be taught in the class. Those wishing to study code on their own can test for Tech Plus at the last session. The class will meet once a week for 15 weeks. The last session will be exams administered by the VE program. Interested persons can contact Rudy, W1GUA @ WA1FHB or Darrel, KL7DN @ W1FYR. The orientation class will be held on Tuesday, December 17 at 7:00 PM

This is a great opportunity for interested persons to learn Ham Radio from a couple of expert teachers. Please spread the word to your friends and family.

FOR SALE

MFJ TNC2 for packet with mailbox option and all manuals.
Contact Butch, WB1GXM (603) 543-1389

Kenwood TS 830S 10-160m w/External Speaker and Desk Mike.
Contact Dick, KA1TYP (603) 632-7148

WANTED

Rohn Tower 25G 40 ft.
TriBander Beam WA1ZLI/Dick
Contact Dave, NG1O, (603) 543-4361

Two Meter Beam
Contact Bill Kemp, KA1YLH. Brattleboro, VT

Schematic for a Uniden 2510
(will copy and return original)
Contact Marlon, KA1SMC. (802) 674-2557

Manual for Heathkit HW101
(will copy and return original)
Contact Rudy, W1GUA (603) 863-4356

Help !!
Anyone who has schematics and/or a service manual for an RCA Series 1000 Remote Base or knows where to obtain same.
Contact Rudy, W1GUA @ WA1FHB BBS or on 146.76.

VE NEWS

At The December 7 test session N1JRA's son David and Young Shin upgraded to technician. Others received CSCEs for elements passed.

The CVFMA's next test session is Saturday, March 7, 1991. It will be at the Sugar River Savings Bank's Community Room, Main Street, Newport, NH. Doors open at 8:00 AM. They close at 8:45 AM. Testing will start at 9:00 AM. Walk-ins are always welcome.

Please remember to bring the following with you when taking exams:

- Original FCC-issued license (if already licensed)
- Copy of current license (if already licensed).
- Original of all CSCEs you are claiming.
- Two (2) forms of ID (one with photo)
- \$5.25 (correct change appreciated)

If you are a Voluntary Examiner and can assist at a test session, please contact me.

For more information contact Conrad Ekstrom, WB1GXM, VE Contact Person, P.O.Box 1076, Claremont, NH 03743. You can also contact me by packet at WB1GXM-1 off of VNH, or on the E-net on Tuesdays, 7:30 PM local on 146.76 MHz.

Don't forget that since 1984 the VEs of the CVFMA VE Group have been giving their valuable time and effort to make the VE program a success and Amateur Radio more enjoyable for all. So I'd like to say thanks to the VE Group and wish all a HAPPY HOLIDAY SEASON.

Looking at the rest of 1992, the tentative VE session dates are: Saturday, June 6; September 12; and December 5; 1992.

The Gears school group will be holding a Novice test session near the end of January. If one or two General Class or above licensees could assist for 2-3 hours, the kids would appreciate it.

As a reminder, license manuals will be available at the test sessions, with the proceeds going to the GEARS school group. Hope to see you there!

73, Conrad, WB1GXM, VE Contact Person.

DOIN'S AT G.E.A.R.S.

The Goshen-Lempster Educational Amateur Radio Society is in its third year. The fourth Novice class is over half way through the Novice course (theory and code). The kids use the equipment daily as part of their class and to make contacts across the USA and Canada.

HF and Packet have seen the most contacts with individuals and other schools.

Recent solar activity has assisted in both the Novice and the kid's science classes. It was easy to demonstrate the before and after effects of the increased solar activity, along with other important influences of the sun on our daily lives.

January 1992 will see the next novice exam session. Besides the usual theory and CW practice, the kids study 2-3 questions from the Novice question pool. This helps reduce nervousness at the exam session. If 1-2 people with general class or above licenses could assist, it would be greatly appreciated. An evening or Saturday morning time can be arranged. Contact WB1GXM at (603) 863-1080 or (603) 543-1389 if you can volunteer 2-3 hours in January 1992. With this Novice group, the Amateur population at the Goshen-Lempster School will be about 15% or 37 licensed Amateurs out of 226 students.

A project that should be up and operating soon at the school station is an OSCAR satellite station, which is on loan to the school radio group. This will take place once a 2 meter receive preamp is built and a run of 9913 coax acquired. Science class won't be the same again!

For the spring, our fifth Novice class for the eager to start fourth graders, radio direction finding activities with other schools, and a possible 40/80 meter coaxial dipole will top the list of activities. To join in the fun, contact WB1GXM on packet, by phone, or on 76.

73, the kids of G.E.A.R.S.

WHERE DOES THE MONEY GO?

Some of you may be wondering where all the dues and donations go that you all so generously pay in to the CVFMA each year. Well, heres a sample of some recent transactions:

New England Telephone	\$500 per year
Newsletter Duplication	\$250 per year
Newsletter Postage.....	\$200 per year
Repeater Site Rent.to UVM.....	\$100 per year
Repeater Site Rent to St. of VT	\$25 per year
Hamfest/FD Expenses	\$130 per year
P.O. Box Rent	\$35 per year
Equipment Insurance	\$136 per year
Science Fair Awards	\$30 per year
Liability Insurance	\$259 per year
Scholarships	\$400 per year
Repair ICOM HT	\$58
Purchase Back up Repeater	\$1270

Autopatch users can save the club money by keeping paid up. We charge 50 cents per call. Otherwise, more money has to be spent on postage to remind folks of their delinquent status.

Our Treasurer, Darrel, KL7DN will be happy to answer any and all questions about these expenses or any other aspect of the CVFMA finances.

OPERATING 2M IN SWITZERLAND

Howard Baxter, KB1JT, reports some experiences in Switzerland in September. He obtained a Swiss licence and, having learned to whistle 1750 Hz, was able to activate repeaters in Davos and St. Moritz. A QSO with Hugo, HB9AEP, resulted in an eyeball meeting with him, his wife and daughter.

Later Howard had a long QSO with a Belgian Ham, Hans, HB9/PA0HWG, a turbine engine expert for Caterpillar who was on assignment near St. Moritz.

Howard and his XYL, Carrol, took his HT along on a 12 mile mountain hike, with an overnight stay at a hotel on top of the Faulhorn at 8000 ft. This hotel is accessible only on foot. It is serviced by helicopter for bringing in supplies and taking out trash. Since the second day of the hike was 7 miles long through drizzle and fog it was comforting to have the HT along. Fortunately, no distress calls were needed.

BREAKFAST GATHERINGS

SAMRATS meets for breakfast and chit chat the last Saturday of each month at Mr. G's Restaurant off of I91 at Exit 8.

An informal breakfast gathering takes place every Saturday morning at MacKenna's Restaurant, New London, at 8:00 AM. All area Hams, XYLs and guests are welcome to drop in and have a cup of coffee with the group.

MORTALITY PLAY ?

Old Joe Sparkgap, KL1UGE finally quit this world of QRM and pileups and became a silent key. As Joe approached the Pearly Gates, Saint Peter, AN1GEL, ever vigilant, sent out a QZR ? Joe responded with his call and requested permission to log on to the Celestial BBS. Saint Peter consulted his database and replied, "You don't seem to be in my callbook. Why don't you downlink to BBSHLL via STYX? They'll take anybody down there."

Joe connected immediatly and got the following message "Greetings Sinner. Welcome to BBSHLL, home of the Infernal Traffic Net. Please enter your Name; Blood type; Visa number; and Pain threshold. Try typing "H" for Help, but it won't do you any good. Above all, don't complain to the SYSOP if all your solder joints melt!"

Joe immediatly realized he had made a big mistake, but, try as he might, he could not disconnect. He spent the rest of Eternity reading messages like: "For Sale - One Trendy HT. Slightly Charred but Still Recognizable." He also tried repeatedly to uplink back to the Celestial BBS, but all he ever got were messages like "Failure to connect", "Busy", "Illegal Call", or the dreaded "Communications Failure - Dismantle your system and start from 'Scratch.'"

CROSSWORD ANSWERS

ACROSS

3. Resonant.
5. Dipole.
9. Feedline.
10. TNX.
11. COAX.

DOWN

1. Propagation.
2. QTH.
3. Radials.
4. Antenna
6. Impedance.
7. RF.
8. Rig.

FOR ARRL MEMBERS ONLY

When renewing your ARRL Membership, make a contribution to CVFMA! Here's how:

Make out your check for the renewal amount, but make it out to CVFMA and send it to the Treasurer: Darrel L. Daley, P.O.Box 445, Putney, VT 05346. Darrel will renew your membership according to your wishes, but he will be able to keep some of your renewal money for the CVFMA. It is that easy!

COMPLAINTS OR SUGGESTIONS?

Do you have any gripes, complaints, or bright ideas for a better CVFMA? Your board is anxious for feedback from the membership. Come to any board meeting or pass your suggestions or complaints along to Member-at Large Scotty, N1HXC.

BIRTHDAYS

Dec 5	Aaron Gonthier, N1JIB
Dec 5	Fred Pierce, N1AUV →
Dec 9	John Evans, WA1DLA
Dec 11	Neal Cobb, N1EME
Dec 13	Tom Abare, K1VNE
Dec 23	Howard Hollis, W1HY
Dec 25	Edward Bort, KT1Q
Jan 2	Rick Lowe, N1GKZ
Jan 5	Jennifer Adler, KA1PVX
Jan 11	Jack Bacon, N1HGG
Jan 16	Ernest Gregoire
Jan 17	Sandra Kimberly, KA1TLP
Jan 19	Wayland Scott, N1HXC
Jan 21	Frank Finger, NU1A
Jan 22	Frank Duffy, K1MOQ
Jan 23	Doris Adler, WA1THF
Jan 24	Elaine Scott, KA1TWV
Jan 26	Richard Olmsted, AB1O
Jan 29	William Deal, K1CLD
Jan 31	Roger Parent, KA1YUT
Feb 3	Jim Frederick, W2UEN
Feb 9	Richard Pierce, KA1YKU
Feb 17	Jeffrey Katchen, WB2NWR
Feb 24	Dawn Cummings, K1TQY →
Mar 8	Lisa Adler, KA1MDT
Mar 9	Daniel Keech, K1FKX →
Mar 9	Steven Marshall, KA1NYP

Mar 16	John Adams, N1HOS
Mar 19	Henry McCarthy, W1ATC
Mar 21	Warner Jones, W1ECB
Mar 25	Sydney Letter, WA1PFK
Mar 25	Alan Peterson, K1YOT
Mar 26	John Whitaker, NN1D
Mar 26	Stanley Dickenson, KC1HY
Mar 26	Robert Provost, KA1IIA
Mar 27	Edward Kaliski, KA2RWT

ANNIVERSARIES

Dec 22	Robert, N1CIR & Claire Boyd
Dec 24	Roger, N1FVH & Elsie Campbell
Dec 25	Neal, N1EME & Catherine Cobb
Dec 27	Darrel, KL7DN & Marion Daley
Dec 29	Howard, W1HY & Josephine Hollis
Jan 1	Frank, K1MOQ & Heide Duffy
Jan 1	Heidelise, N1BYG & Frank Duffy
Jan 5	John, N1HMC Heden & Karen Schmidt
Jan 7	Jim, W2UEN & Elaine Frederick
Jan 25	Raymond, KB1NS & Mary Ann Ainsworth
Jan 11	Stanley, KC1HY & Thelma Dickenson
Jan 31	Ronald, WC1S & Sara Kobylenski
Feb 5	Lemuel, K1IOJ & Vivian Cummings
Feb 16	Edward, KA2RWT & Elaine Kaliski
Feb 17	Robert, Jr., KA1WZB & Sherry Raven
Feb 21	Carl, W1SIO & Shirley Anderson
Feb 22	Harvey, W1TIM & Harriet Merrick
Feb 23	David, W1S & Meg Schaller
Feb 23	William, KA1YLH & Brenda Lee Kemp
Mar 9	Ted & Alice Emerson
Mar 14	John, NN1D & Marguerite Whitaker
Mar 27	Roland, Jr., K1LEC & Kenna Jean Aldrich
Mar 18	Richard, AB1O & Mary Olmstead
Mar 18	Edward, KT1Q & Mary Bort

HEARD ON CW

What did the electrician's wife say to her spouse when he came home at 4:00 AM? ...

"Wire U Insulate?"