

EXHIBIT 17: COLORADO BIG THOMPSON  
FLOOD; NCARC MEMBER HELP

A REVIEW OF THE COLORADO

BIG THOMPSON CANYON FLOOD DISASTER

JULY 31, 1976

Edited by: NORMAN HOLT

for

THE REGION II EMERGENCY MEDICAL SERVICES COUNCIL

LARIMER AND WELD COUNTIES, COLORADO

MAY, 1977

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would take care of 10,000 feet okay. Then down to Seaman Reservoir and there was 600 sec./ft. coming down with a potential for some more but the spillway would take care of 25,000 ft. of water. You can alleviate this but these are time consuming activities.

Can we have some more questions?

Question on press coverage:

Sheriff Robert Watson: I suggest we handle it in the same way but only with a different individual. We had to make a command decision early on what we wanted to do with the press. You're not going to keep them out, number one, that was our decision, so we made the statement that we would honor anywhere they wanted to go, if they were bonafide press and properly identified. Then we agreed that he is a nice looking fellow and had a nice image and he would be the press officer or would designate one and the rest of us keep our mouths shut. This worked extremely well. We set up two press conferences a day. We didn't try to hide a thing from them- we wouldn't make estimates and these kind of things, guess work, but we gave them facts that we knew and it worked extremely well. We got no, as far as I know, we got no bad press criticisms. I was at a meeting Monday and they asked how come and I told them that we didn't try to hide anything, it's out in the open, let's do it and don't restrict them.

The one thing that they got angry with us about was that we wouldn't let them ride on the helicopters. We weren't going to displace food or water or refugees coming out or going in. We weren't going to displace them with a newsman. Once they understood that they handled it well and they didn't complain about it. But you have to have free access other than that. A lot of them did a lot of walking. Some of them walked in there with 50 pound cameras on their backs, TV cameras, right up the middle of the river bottom and they got their stories. That was one of the better things that we did.

*CAPT THOMAS OF COLORADO STATE PATROL;*

Now, one other thing, when we start talking about communications, like we have the world's greatest communications. I make a lot of people mad in state government when I say this but we have lousy communications. We have lousy shortwave communications in this state. A graphic story that I used that makes a lot of people mad is this. On Monday morning we still had people to be evacuated out of the canyon. We were still being exposed to a lot of bad weather. We decided that we would have to go in and start a ground operation. The weather forecast prognosis was not good, we might be getting 24-48 hours of bad weather. It was decided that I should go to Estes Park and set up a communications command post up above Estes Park that could talk to the four rescue groups. These were organized rescue groups. Two of these had doctors and nurses with them and were technical mountain units, self-contained, with enough food and water, and medical supplies for three days. This was a fantastic group.

But we needed to talk to them. The sheriff from Boulder said he had equipment at Boulder that was mobile, it was in a bus. He said I will furnish that and the technicians to man it if you will get up there and get all the other stuff going for it. So I flew in and by 10:00 Monday night, we had it going. Now, all our telephone lines were out. On our conventional state radio, the police radio, sheriff's radio- we're not talking to people down in that canyon. Then right up on the top of this mountain in the middle of the night, I got the most assinine order that I ever thought I'd get in my life! It said- go to the phone and call the Governor and call your chief. It came in over the police radio, very squawky and very hard to read. I got, needless to say, very angry because I was 30 miles

from a telephone.

Then a fellow drove up in a beat-up old jeep, who looked like a disaster. He hadn't shaved in two days and had a big ole cigar sticking out of his mouth. Well, he said- what's the matter, and I said- well, I got to go to a damn telephone and I'm 30 miles away from one. He said, oh, have no fear, Johnny is here!! I thought, well, I need another kook and I got one. He pulled out of his pockets- now this is the honest to God's truth- a little black box. It was about that long - that wide- that thick- and had push buttons on it like a push button telephone. He said who do you want to talk to? By this time, I'm slightly intrigued. I said, I've got to talk to the Governor of Colorado and Chief Wayne Keith at Colorado State Patrol and Lt. Schlagater at Loveland. He said do you have the phone numbers? I said I do. He said I will get them for you. This is a true story. He punched about 4 buttons in that little black box, way the hell and gone on the top of a mountain in the middle of the night, and I hear a guy say, Hello! I say- who you talking to?- who you talking to? He says, well, I am talking to a guy in Franktown who's going to patch us in to Ma Bell. I said- You've got to be kidding! He says to this guy in Franktown, Colorado, way south of Denver (and it's very, very clear)- he says get me these numbers, I want to set up a conference call. Within less than one minute, I was talking to them, all those people, into a little black box, on top of a mountain.

We don't have communications- those people have communications. They are ham operators. We very quickly learned our lesson. We didn't have telephones. We didn't have enough telephone lines in our command post at the Water Conservancy District (they were trying to get us in lines). I told this fellow- you don't stray one inch from me for the duration. Well, he said, we've got better equipment than this. And that really blew my mind. And they did have! Come daylight, here comes the most beautiful camper that I have ever seen in my life, a self-propelled mobile home and it had alot of these little black boxes in the rack. The guy said- I 'm here for the duration and I am totally self-contained- you don't have to worry about gasoline, food or anything- I will get it for you. I said where? He says anywhere in the world; I can get you anybody if you've got a phone number or they've got short-wave anywhere in the world. And it was true!

Then they tell me about a dispatcher on the Denver Police Department. I called Chief Dill on the little black box and he sent his guy up. This guy came in with a thing no bigger than this and had a dial telephone on a hood on top. He came in to the command post and he said- I am the guy from Denver Police Department and what do you want me to set up? I said, right over there- there was a table by a window. He went over and layed one plug into a light outlet- from the wall he took a little antenna and clamped it to the window outside, picked up that phone and dialed the Governor's office- and it took just about that long. And we talk about communications! We've got big problems in communications.

I make the Colorado Department of Communications mad, I tell them they don't know what good communications are. This is something that we all need to get involved in because of all the problems we had in this disaster- communications were the worst. I was beginning to think that we were going to have to send up smoke signals. Out of all this for your edification- I think we are getting the support now from the legislature. We will come out of this within probably the next 18 months to two years with probably the finest mobile radio communications and telephone set-up for emergencies that any state will have. And guess who the people are who we are going to use for technical consultants for something like that- the little guy who looks like a refugee from another disaster who can

stand on the top of the mountain and talk into a little black box.

Identification is another thing that we are working on which is extremely important. Identifying the people and the occupations that you will be using in a disaster has to be done. We need official identification cards for that disaster. We discovered at a meeting in Colorado Springs that they can bring right to us a little machine, that can stand on a table, or on the hood of a car. It can work up plastic clip-on identification cards with color codes and photographs, to quickly get our people identified.

When we started off, we didn't have any identification so we sent into town in a hurry and we got back about 500 "Welcome to the Chamber of Commerce" stickers. We wrote names on those but then people began to trade them off. They began to lose them and to sell them. So we came up with some of my personal identification cards and rubber stamped them with my signature. But what we needed to do wherever possible, was to get age, address, social security and occupation because that may go into pay records a little later on. Also, his blood type- he may become a victim out there.

Identification takes away the argument. For instance, a County Commissioner came to one of the roadblocks. We had a volunteer taking care of it- and he got turned away. This guy said- I'm a County Commissioner and I have my papers, and he said- if you are a County Commissioner- you shouldn't have any trouble, go on down - it should get you through.

Any other questions?

Audience question concerning "the bear":

Oh, the bear, you mean, we stuck a little guy up on Palisade Mountain in the rain and three bears ran him off. So Ag Helicopter, in the middle of the night, dropped him off a rifle- so he could keep our communications going. We had to get up out of that dead spot in the canyon and those old bears bothered us for two weeks. During the flood, one bear came swimming down right past the Merri-Ax and I think that same old rascal bothered us for a couple weeks around in town. He finally got back to his hill. That elk, I think, we finally traced down and if I can coax him out a little further, I will get him Saturday morning. There were all kinds of refugee wild life coming back into the canyon before the highway went in.

I just want to touch briefly on helicopters. We took the names of everybody getting on so we knew how many got off. It was 840 to 860 the first day and something like 1,200 by the time we finished that two or three hours that next evening. Two of the little birds sneaked in under about a 500 foot ceiling and came back and talked to the General. He said,- you did what? He wanted to fly some of his bigger birds in and he did. They took them in there and did a fantastic job.

We talk about how hard it is to get the National Guard out, they will never come out on emergencies- the Civil Air Patrol won't come out. But the trouble of it is, we asked them to come to our little pickyunish types of things that we should be able to handle ourselves and then we wonder why they don't respond. If we had anything to talk about, we talked about it and we came to a common conclusion to do things. Rank didn't matter. We needed to keep the air space open and the first thing we did was to lock in our air space then set up our flight plan. The gentleman setting in back- who works with us on our fire crews came in and took over our helicopter pads and organized them. Can you imagine him with a blackboard setting out in a field. Bird number so and so going this



NATIONAL  
MULTIPLE SCLEROSIS  
SOCIETY

EXHIBIT 18: THANK YOU  
LETTER

National Multiple Sclerosis Society  
Colorado Chapter  
1-800 FIGHT MS  
E-mail: coc@nmss.org  
http://www.csn.net/ms150  
www.fightmscolorado.org/ms

Colorado Chapter

700 Broadway, Suite 808  
Denver, CO 80203-3442  
Tel 303 831-0700  
Fax 303 831-8001

424 Pine, Suite 104  
Fort Collins, CO 80524-2421  
Tel 970 482-4807  
1-800 356-9619  
Fax 970 407-7096

Events  
Year-Round  
to Fight MS

14 August 1997

Dear Valuable HAM Operator:

YOU DID IT! A big, BIG thank you to all of you for your support. There were over 600 volunteers who joined together over the weekend of the MS 150 Bike Tour! You served over 1,500 riders who, along with sponsors, have pledged to raise over \$600,000 for the fight against MS.

Communications are a critical part of the MS 150 and we are truly grateful for all of your hard work and dedication. Many of you have watched the MS 150 grow over the years and for some, this was a new experience. Your willingness and flexibility over the Tour weekend once again proves how MS 150 volunteers go over, above and beyond the call of duty!

Thanks again for all of your hard work!

Rebecca

Rebecca Russell  
Director of Special Events

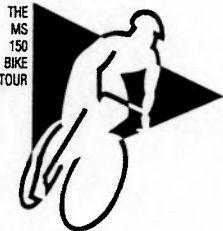
Carrie Cudworth  
Tour Staff

Jim Tuccio  
Tour Staff

THE MS WALK



The TCG MS Walk  
April 12, 1997  
May 3, 1997



MS 150 Bike Tour  
July 12 - 13, 1997



BikeToberfest  
September 21, 1997

EXHIBIT 19: THANK YOU LETTER

Jerry Cassidy - NØMYY  
Ham Coordinator  
2308 S. Lima St.  
Aurora, CO 80014

Rick von Glahn - NØKKZ  
Assistant Coordinator  
3901 Pikes Peak Road  
Parker, CO 80138

# MS 150 Amateur Radio Group

August 13, 1997

Ted Cline  
4702 14th St. Sw  
Loveland, CO 80537-9193

Dear Ted,

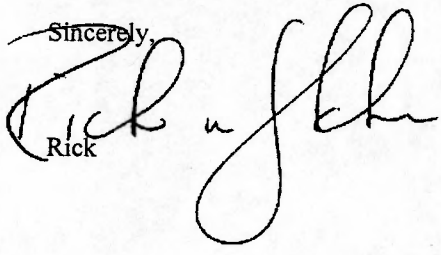
On behalf of the National Multiple Sclerosis' Colorado Chapter, Jerry Cassidy (NØMYY) and myself (NØKKZ), I wanted to drop you a note thanking you for your participation this year on the MS 150. Your performance assigned to the Day 1 North Net 145.115 Mhz 100Hz PL (NET 1a) was professional and helped in the smooth performance of the MS 150.

I have heard from the MS officials and they have assured me that they were very satisfied with communications at the event. It is their wish that I pass along a "congratulations and well done" to each one of you and a heart felt thanks for your participation at the event.

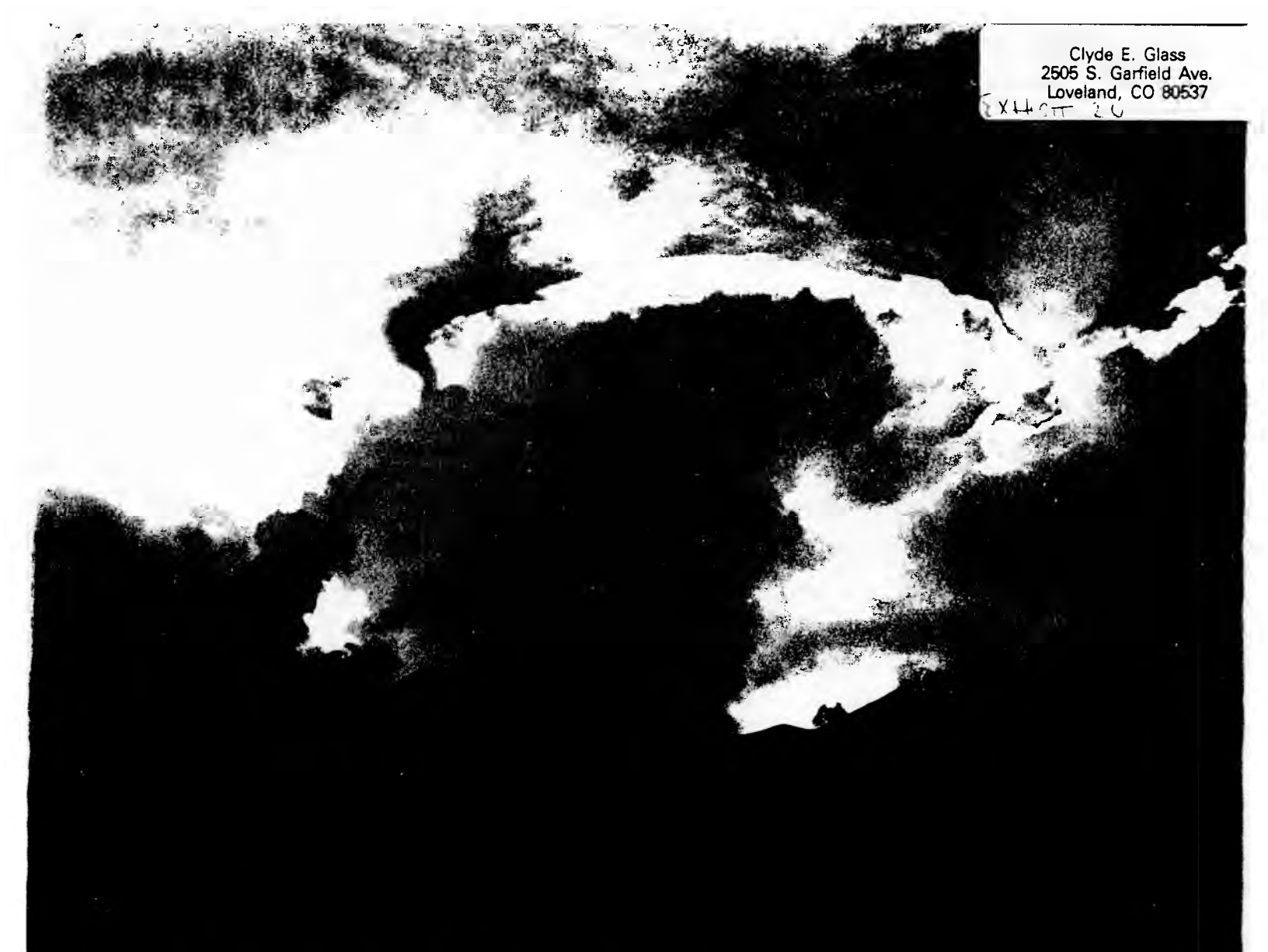
Jerry and I have received quite a bit of constructive criticism of the event from the hams involved. Much of this took the form of comments on the operation of the event itself. Be assured we will relay these criticisms to the MS folks. Often, they will undertake a change in operations because of suggestions made by their volunteer staff. Of course, the MS 150 is a fund raising event and the objective is to maximize revenue for the MS Society, while spending an acceptable minimum on logistics and support. Therefore, it is sometimes impossible to incorporate some very good suggestions.

We have heard some amateur radio related criticism too and we will do our best to solve these problems before next year's Tour.

Next year's MS 150 is a long way off but, we are looking for volunteer amateur radio operators right now. No one can plan realistically for an event a year in the future, but, if you would like to participate in next years Tour, drop me a line and I will add you to our volunteers database. Sometime next year (late winter, early spring) I will contact you and firm up your status as a volunteer. You are welcome to write me, email me at <[rickvlg@usa.net](mailto:rickvlg@usa.net)> or call 303-840-5175. Leave me your call sign, name, address, phone number, email address if you've got one and the position you would like to be assigned to next year.

Sincerely,  
  
Rick

Voice Phone: 303-840-5175  
Data Phone: 303-840-5282  
Pager: 303-826-5235



Clyde E. Glass  
2505 S. Garfield Ave.  
Loveland, CO 80537

EXHIBIT 20

# The Big Thompson **DISASTER**

**A collection of editorial and pictorial  
material concerning Colorado's  
tragic flash flood of July 31, 1976.**



**SECOND PRINTING** — The Big Thompson Disaster, published by Lithographic Press, P. O. Box 455, Loveland, Colorado, 80537.  
**COVER PHOTO** of the Littleton system residence for the Big Thompson flood was taken at 7:30 on the evening of August 27. The picture was taken by Ruth Meyer of Loveland, Co.



# Ham Radio Networks Proved Vital

Bill Green served as amateur radio communications officer at the sheriff's command post during initial flood crisis.

Somewhat after 9 p.m. on Saturday, July 31, Mrs. Green and I and our daughter, Julie, drove from Loveland out route 34 to Carter Lake Road (about 7 miles out) and south to our ranch. We crossed the Big Thompson at two points. Everything seemed normal. At 10, I turned on the radio for the evening news and heard there was a flash flood in the Big Thompson Canyon.

Recalling the last flash flood in June of 1965, we realized that there might be a serious situation developing. I turned on my amateur radio equipment to see if I could learn any more details. No one was sure just what was happening.

I turned on a Citizens Band unit to see if I could hear anything, possibly from cars in the area. Almost at once there was a call on the emergency channel — channel nine — from a car that had been stopped at the bridge near Fawn Hollow. The bridge was washed out, he said, and someone manning a road block would not let him go back to Carter Lake Road and home because that way might be flooded. I assured him that Carter Lake Road was dry and safe.

He asked me to call his home and tell his parents where he was — and to have them call his girl friend's home and tell her parents she was safe. This was about 11 p.m. The calls taken care of, I continued to listen to CB and ham operators, but information was still rather inconclusive. Sometime around midnight, I believe, there were helicopters flying. Still no details on the scope of the problem. At 2:30 I went to bed.

## Networks Established

Early Sunday morning the Sheriff's command post had been established at the Merri-Ax Restaurant, ham operators were handling early emergency traffic, headed by Clyde Glass, WØBPT, Loveland as net control, and by Leo Oyler of Ft. Collins, emergency coordinator for the Larimer-Jackson County Amateur Radio Emergency Net. The operator at the sheriff's command post was using battery powered equipment, and his batteries were giving problems. Clyde asked me if I had portable equipment and could get to the command post quickly.

I loaded equipment into our pickup and started across route 34. The water had gone down, and heavy equipment had already been moved in to clear and repair the washed-out portions of the road. The road was passable, but clogged with emergency traffic. There were cars and trucks everywhere . . . hardly a place to park at the Merri-Ax. We set up a new radio contact point, but almost immediately it was decided to move the command post to the Northern Colorado Water Conservancy District building farther east.

The situation was ideal for such an operation. There was ample office space, plenty of parking, and a large garage from which the Seventh Day Adventist food service van and the Salvation Army food service van could operate. The Conservancy District people were making every effort to accommodate the emergency. The Colorado State Patrol Emergency Communications van was there; we parked nearby and set up our amateur radio operation.

The sheriff's department had a substantial number of radio-equipped cars; the State Patrol had brought in cars from a wide area. The Bureau of Reclamation, County Highway Department, Loveland Ambulance

Service, Forestry Service, Loveland Police and Fire Departments, Fort Collins Police, Civil Air Patrol, Amateur Radio Emergency Corps, and various other groups including some rescue teams were equipped with two-way service. And there were hundreds of Citizens Band radios in the area.

A problem existed, however, in that there was no one point where all of these services could be tied together, and the communications coordinated.

The hastily established command post provided a partial solution to this problem; but inasmuch as virtually all of the communications mobile equipment was in cars whose principal function was law enforcement, these units did not provide a fixed communications service. John Engelbert, operations officer for the sheriff's department, had a four-wheel drive pickup equipped with various radio units, and Mrs. Engelbert functioned very effectively as communications coordinator from the truck. However, there were no links with most of the other services — and there was a need for communications where no law enforcement cars were acting as fixed units.

## Made It Official

It was in this situation that the initial amateur radio emergency net was set up. Amateurs were officially attached to the sheriff's department and units were set up at the sheriff's office in Fort Collins; the command post; the hospital emergency room; the refugee center at the Loveland High School; the heliports where refugees were being flown in; at KLOV; on route 14 west of Fort Collins where another flood had developed; at the sheriff's command post in Estes Park; and perhaps at other fixed locations. These units served as communications points only; all authority for the messages rested with the various law enforcement groups, headed by the sheriff.

All telephone service to the canyon and Estes Park was out. And the lines in and out of Loveland and Fort Collins were jammed with emergency traffic. Telephone contact between the sheriff's office and the command post, for example, was almost impossible. And messages requiring some degree of security could not be handled on the regular sheriff's department frequency due to the large number of citizens' "scanners" which gave access to the law enforcement frequencies.

## Secure

The amateur radio link, therefore, became the most secure way of handling such message traffic; and since there were amateurs at most strategic spots where sheriff's department personnel and other officials might need to be located, the amateur radio emergency net was very busy.

One of the first things that was done at the refugee center, in which the Red Cross took a big hand, was to establish a list of missing persons. The procedure was to list anyone as missing about whom there had been an inquiry from any source. The Red Cross, traditionally, has handled "health and welfare" inquiries in disaster situations. And in a short time, the list in this disaster mounted to some 800 names.

Inasmuch as there were no phone lines into Estes Park, various amateur operators took on the job of handling this "health and welfare" traffic. Joe White, KØCNU, of Denver set up a long-range station at the Holiday Inn parking lot in Estes Park and handled some 3,000 messages in and out of the area during the week

before phone service was reestablished.

### Across Nation

In this, he worked with many amateurs throughout the United States. The Red Cross amateur station in Denver handled much traffic. The Red Cross Station in Omaha acted as a relay station for hundreds of messages. The amateur station in the sheriff's office at Springfield, Missouri, handled over 200 messages. These are only samples; there is no way to compile a complete report of the amateur radio stations involved.

Another important service was provided by a group of amateurs from Denver who volunteered equipment to provide a direct dial telephone link to the Denver exchange, via amateur radio, for both the Loveland and Estes Park Command Posts. This provided a private communications link for official use without going through the jammed exchanges in Fort Collins and Loveland. And it was the only telephone link to Estes Park for several critical days.

If there was a gap in the communications system during the emergency, it was the lack of any Citizens Band equipment at the command post. The only CB unit in evidence was at our amateur station at the command post, and this left one important area uncovered.

### False Reports

Several problems occurred because the improper use of CB by a few individuals. Saturday night, rumors were flying on the CB channels. Some of them originated with an operator who did not take the emergency seriously, and deliberately broadcast false reports of flood conditions. Sunday, there were reports of a nine-foot wall of water coming down the canyon . . . with minute-by-minute "updates" on the progress of the water. This caused a disruption in the rescue efforts, because workers in the canyon, receiving the false reports, got off the canyon floor to avoid being washed away. There was no nine-foot wall of water.

There were some instances of persons using CB in roadblock situations creating undue hardship by ordering residents to stay out of areas in which they had a perfect right to be. Had there been official monitoring of the CB channels, perhaps some of these problems would have been avoided. And the great mass of CB operators who did a conscientious job would

## Radio Stations Served Well

Emphasis in this book, through the cooperation of area newspapers and their staffs, is on the printed word and photographs.

However, recognition must also be given to the excellent job done by area radio stations that put in many hours of extra air time and whose news people sent out on-the-spot reports of the devastation wrought by the flood.

Radio reports are fragile things, lost in space after being interpreted in the home. Listeners have no permanent record of the huge volume of information that was carried, but many of them took the trouble to offer their appreciation of the coverage by the radio stations.

### Typical Letters

Some excerpts from letters received by radio station KLOV in Loveland are typical of those which were sent.

World Headquarters of Epsilon Sigma Alpha in Loveland wrote, "Certainly you and your staff ex-

not have been tainted unfairly by the illegal and unwise use of the CB channels by a few.

There were several hundred amateur operators in Colorado who were involved in various phases of the communications services attendant to the disaster, and the omission of names in this account is only because they are simply not all available.

My own direct involvement in the emergency communications activities extended from Saturday night thru Tuesday, after which others took over the operation at the Sheriff's Command Post.

### Up-to-Minute

Sheriff Watson very wisely, I think, went to great lengths to keep the hoard of radio, television, newspaper and news service people informed on what was going on. He did his best to give them up-to-the-minute reports which they could pass along to the public. This accounted for very accurate reporting in most instances after the initial news reports were over.

There was much inaccurate news carried by the networks and wire services during the early hours of the flood. Reports that Trail Ridge Road, Estes Park, and the canyon had all been "wiped out." And similar reports.

This caused confusion, wasted effort, etc.

So far as I have been able to determine, the first reports of the flood and calls for help came from an amateur radio operator who had equipment in his car, and radioed from near Drake that water was coming over the road and he needed help. This report was relayed to the State Patrol by an operator in the valley, and is probably what caused Sgt. Purdy to be dispatched to investigate. The State Patrol report was, it was reported, picked up by some other official unit, and the early warning efforts in the lower end of the canyon and below began.

As I look back on the whole experience, it was a miracle on quick organization and good management. Sheriff Watson and Operations Manager John Engelbert put together a working force in record time; managed it well; and carried off the entire effort with calm and dignity.

The cooperation they received from all hands was outstanding; but the manner in which it was all coordinated must go down as one of the great achievements of the area.

hibited the highest traditions of your profession in doing the job you did."

Public Service Company of Colorado's division manager Robert E. Moninger: ". . . The coverage was excellent and you are to be congratulated on keeping the public informed as new developments arose . . ."

Sister Mary Regis Leahy, RSM, Archdiocese of Denver: ". . . The on-the-spot reporting was memorable and probably should have been recorded and placed in time-capsules for future historians . . . I regret I am in no position to bestow laurels and medals."

Douglas A. Benton, director of special programs, Colorado State University: ". . . providing a very worthwhile service in good taste . . . I was particularly impressed that you did not editorialize or overdo the otherwise very personal matters associated with the tragedy."

Area radio stations receiving similar accolades were KCOL and KSIX, Fort Collins; KSIR, Estes Park; and KUAD, Windsor.

# EXHIBIT 21: SPONSORSHIP OF ARES

MAY 30  
E. SANDER

## Field Day Is Coming June 22-24

The annual ARRL Field Day weekend will be June 22 to 24. Once again, Carey Bryan, NY0L (330-1577) has volunteered to be chairperson for a joint NCARC/WARS effort. While he'd like to keep some details out of print for competitive reasons, he'd like anyone interested in helping out to contact him to start serious planning very soon for this event. Plan to spend a couple hours or the whole weekend, but come out and have fun on Field Day!

## HP Donates Multimeter for Superfest Prize

Hewlett-Packard has donated a new HP digital multimeter for a Superfest prize. Virgil Leenerts, W0INK, helped arrange for this donation. Thanks to HP-Loveland and Virgil!

## Welcome New Members!

NCARC again welcomes new members! They are: Jim Boyd, AH6O, and Edie Stout, N0LKA. Please say hello to these folks when you hear them on the air!



## ARES Spotters Provide Tornado Warnings on June 9

Saturday, June 9, the District 10 ARES group was notified in the morning that severe thunderstorms were a good possibility for the afternoon. A net was called up late in the afternoon as a strong cell developed in the area, with Bobbi, KB0BVB as net control. A packet radio link to the National Weather Service in Denver was also established. At about 5:15 p.m., the first of several tornados and funnel clouds touched down near I-25 and Larimer County Rd. 60. NWS was notified, and the NWS station immediately began monitoring the net on the 145.115 repeater. A tornado warning was issued for the area around Nunn. This was followed by several other observations of tornados and funnel clouds, with NWS issuing tornado warnings based on the ARES spotter's information for Ault, Wellington, Nunn, Pierce, and other communities in the area. Fortunately, no injuries or serious property damage was reported from these tornados.

Check in on the District 10 Ares nets on 145.115 on Tuesday nights at 9:00 p.m. to help prepare for severe weather and other emergencies!

## Use the Repeaters!

Recent monitoring indicates that our two repeaters are vastly underused. Sometimes calls from travelers or newcomers go completely unanswered. Please encourage usage of our machines for rag-chew, special events, nets, or any other amateur function. All we ask is that regular nets get permission from the Club to avoid conflicts. Encourage your ham friends to call in, and answer calls from that lonely new Tech. Help us build a reputation as having friendly, busy repeaters. Remember that amateur frequencies are a scarce resource, and if we don't show that we're making use of the spectrum allocations we have, the FCC will have a valid point in trying to cut us back again.

## Newsletter Needs Input!

Your secretary, John, NK0R, would like to continue to produce a high quality newsletter for NCARC. However, this is difficult without material to print! Please send me any items that you think would be of interest to the local amateur community. I will take submissions on paper, floppy disc (IBM ASCII or Word Perfect files), and can also arrange to pick up material via packet radio, CompuServe, or direct modem transfer. I'll also be happy to run "for sale" or "wanted" ads.

The current NCARC membership roster is enclosed with this newsletter, and contains a number of corrections that have been received during the last month. Send corrections to John, NK0R.

## **NCARC/LRA SUPERFEST RESCHEDULED TO JUNE 30th!!!**

The NCARC/LRA Superfest has been rescheduled to Saturday, June 30th. Please tell your friends, and help pass the word to the rest of the ham community! If you check into any HF or VHF nets outside of our area, please make a point of mentioning the new date.

### **SUPERFEST Volunteers Are STILL Needed!!!**

An overall chairperson for Superfest is still needed, as are volunteers to chair key committees, including setup, tickets, security, door prizes, and more. If you have an interest in working on any of these committees, please contact one of the officers as soon as possible. (So far, the officers have been acting as an ad-hoc committee, but we really need much more help...)

At this time, the most critical need is for a chairperson and volunteers for door prizes. This job requires volunteers to contact local establishments during business hours, and those of you who are available during the day are in the best position to help out with this. If we don't get some volunteers for this, the door prizes may be pretty sparse...

### **Minutes of May, 1989, NCARC Meeting**

The May 19th meeting of the NCARC was held at the Firehouse Restuarant, Windsor. Superfest was the first item of business. Kent, KA0TTH requested comments on the grand prize selections. Corrections and suggestions to the flyer were taken, including emphasizing the time and place of VE exams, availability of RV hookups, and the time of the grand prize drawing. There was some discussion of the need for more volunteer help. Bob Schmid will contact LRA regarding several assignments, including overnight security. The Superfest budget was discussed. We're planning to stay under a total expense limit of \$1000. LRA will be splitting the expenses and profits with NCARC, provided that they supply a comparable amount of manpower for the job.

The repeaters are running reasonably well, but there is some indication that the 25/85 machine may have a minor tuning or noise problem. Installation of a new 7K controller on the 145.115 machine is planned for this summer.

Corrections to the roster were taken. A new version will be published next month.

In new business, Kent asked the club to consider whether we should be supporting 2-meter repeaters in two locations, given the low utilization of the machines, and the high fixed costs of rent and telephone expenses. This will be a topic of discussion at a future meeting.

POST-MEETING TREASURER'S REPORT: As of 5/23, the checking account shows a balance of \$1,375.31, and the savings (building/equipment fund) account has a balance of \$4020.02. Recent expenses included \$35.73 paid to U.S. West, and \$228.92 paid to John Schmidt for 5 months of Tri-Bander postage and duplicating expenses.. \$1000.00 is allocated for Superfest expenses.

### **Packet Stations Needed for ARES Severe Weather Nets**

\* This year, the ARES Severe Weather Net has been asked to use packet radio to send information to the National Weather Service in Denver when that station is manned during severe weather alerts. If you have packet capability and would like to be listed as a resource for this purpose, please contact Kent, KA0TTH, at 686-9694, John, NK0R, at 663-7581, or George, WDOGNE, at 587-4598, or check into the ARES net at 9:00 p.m. every Tuesday night. ARES may also sponsor another severe weather training class the Friday before Superfest -- check into the ARES net for details.

# EXHIBIT 23: NCAAC SPONSORED EMERGENCY SIMULATION

COJ	Sims Lois B.	2913 Sitting Bull	Cheyenne, WY	82009 (307)	638-6034
J7COK	Sims Ralph E.	2913 Sitting Bull	Cheyenne, WY	82009 (307)	638-6034
KAORXJ	Small Ava	23693 Weld County Road 35	La Salle, CO	80645	284-6649
KAORXI	Small Herb E.	23693 Weld County Road 35	La Salle, CO	80645	284-6649
	Springer Nora	503 SW 42nd	Loveland, CO	80537	663-4124
DATA	Stevens George W.	P.O. Box 704	Longmont, CO	80502	776-9036
NQOX	Stockhouse Robert	2200 37th Street #16	Evans, CO	80620	339-3715
KOVLD	Stone Peter S.	1931 Bobtail Court	Loveland, CO	80537	669-0240
WAOJCS	Talley Harlan A.	3717 S Taft Hill #50	Fort Collins, CO	80526	226-5320
WAOMYM	Tinnermeier Ron	4940 Hogan Drive	Fort Collins, CO	80525	226-4561
N7GES	Utter Kevin	924 James Court Apt 3	Fort Collins, CO	80521	493-2219
WDOGWE	Viets Frank G.	102 Yale Way	Fort Collins, CO	80525	482-6081
WQOWP	Walker Bill S.	2336 Fountain Drive	Loveland, CO	80537	669-0170
KOHJH	Wallace Jr Beryl	4891 South Huron	Englewood, CO	80110	761-8133
WBOUCG	Weitzel Jeff D.	2707 Valmont #303B	Boulder, CO	80302	443-1494
WB7CYJ	Willard Leroy	3231 Pepperwood Lane	Fort Collins, CO	80525	223-7831
WOAGU	Worth Eugene D.	1212 Juniper Court	Fort Collins, CO	80521	484-3380

APRIL '88  
TRIGANDER

A.R.E.S. HOLDS SIMULATED EMERGENCY

Sat morn 7 A.M. found Hams in the area being called up to assist with a practice medical emergency which may be of great value to the public in case of emergency. At 8 A.M. a "plane" arrived at FitzSimmons Hospital with a number of (injured) people. Nineteen hospitals in the area were contacted by the use of Ham Radio. Both voice and packet were used. Cliff Baker WOITD, Sam Selders WOHJX were waiting at the Northern Colorado Medical Center in Greeley. At 10 A.M. a bus with 10 "injured" people arrived at N.C.M.C. They were removed from the bus and treated. The bus then proceeded on to the Poudre Valley Hospital in Ft. Collins There Ted Black WDOTSX, Chris Kelley WB5IBS and Walt Miller KBOAZS were contacted. The bus with 10 more injured people were taken. It arrived at about 11:30 the people were removed from the bus and "treated"

Shortly after lunch and all were treated the "injured" were picked up in Ft. Collins, the bus then proceeded on to Greeley to pick up the "injured" and taken back to Denver.

There was 9 hospitals in the Denver area, the hospital in Greeley and the one in Ft. Collins participating in the exercise.

All involved feel the exercise was very successful and will be of great help if we should ever have an emergency in the area.

This was the first attempt at such a practice exercise and we want to thank everyone who participated, also the Hams who left the repeater clear for us.

Thanks to all and 73.

Kent Douglass KBOTTH  
Dist 10 Emergency Coordinator

SEE YOU ALL TUES-NITE, 9 P.M. on A.R.E.S. NET

We wish to thank Duane Barber WAOWWO, who printed our news letter on his printer for us. Thanks Duane.

## LICENSE EXAM SCHEDULE

February 7	Greeley	KE0J
March 7	Ft Collins	KD0RY
April 4	Greeley	KE0J
May 2	Ft Collins	KD0RY
June 6	Superfest	KE0J
June 7	Superfest	N0FCP

Greeley Exams are held at AIMS Community College, General Services Building. Contact Orlo Rotunda, KE0J, 2123 21st Avenue, Greeley, CO 80631.

Fort Collins Exams are held at CSU, Lory Student Center, Room 208. Contact Mark Leising, KD0RY, 1200 West Trilby Road, Fort Collins, CO 80526.

Reminder: The fee is now \$4.35 and must be presented along with photo ID, an copy of your current amateur license, and a completed form 610 (form 610 will be available at the test sites, but must be completed before testing begins).

Note to VE's: If you wish to keep your ARRL accreditation current by serving on an upcoming exam, please contact N0FCP to be placed on the schedule. Contact: Debbie Glasscock, N0FCP, 934 SW 20th Street, Loveland, CO 80537, (303) 667-8584.



## SEVERE WEATHER NET

The Severe Weather Net was organized in 1985 to provide information to the National Weather Service and to county governments during the thunderstorm season in Northeastern Colorado. This year, Ava Small, KA0RXJ is coordinator of the SWN, which is sponsored by the NCARC. The major function of the net is to collect reports of trained observers who observe the severe weather and report dangerous phenomena such as large hail, heavy rain and tornado winds.

The net kickoff will be held in Greeley again this year, and all interested amateurs are urged to attend. What you learn there may save a life, possibly even your own. The SWN has not had formal membership, and all hams are welcome to participate, though the training you will receive will make your contribution in an emergency much more accurate and valuable. For more information contact Ava Small, KA0RXJ, 284-6649 in La Salle.

## Odds and Ends

New Duplexer and Bandpass Filters for 25/85 have been ordered and are expected in about 4-6 weeks. Weather permitting, these filters should be installed in March or April, reducing the problems recently experienced with interference from paging service transmitters on the Horsetooth repeater site.

Chassis Boxes for Select Calls are available from Mountain States Electronics in Fort Collins in the GC Electronics line. Model GC 16-132 is identical to the Radio Shack box in the kit instructions.

The NCARC TRI-BANDER is the quarterly newsletter of the Northern Colorado Amateur Radio Club. The NCARC owns and operates the WOUPS Repeater on Horsetooth Mountain, operating on a frequency of 146.25 MHz (input) and 146.85 MHz (output). Inquiries regarding the club, membership and submissions to the newsletter should be addressed to Chris Kelly, WD51BS, Secretary, NCARC, 3910 Caddos Drive, Loveland, Colorado, 80538.

EXHIBIT 25: THANK YOU TO  
ARES, SPONSORED BY NCARC

NCARC TRI-BANDER  
SEPTEMBER 1982

LARIMER COUNTY CHAPTER



AMERICAN RED CROSS



A United Way Agency

120 Saturn Drive  
Fort Collins, Colorado 80525

August 9, 1982

Mr. Bill Jump  
1617 Carriage Road  
Fort Collins, Co. 80521

Mr. Gene Bellamy  
3124 West 6th  
Greeley, Co. 80631

Dear Bill and Gene:

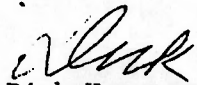
We want to take this opportunity to thank you and your many colleagues of ARES for the outstanding contributions you made to Red Cross efforts during the recent flood in Estes Park.

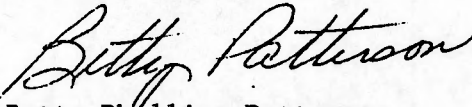
Not only were you exceedingly technically and professionally competent, individually and as a group, you also displayed a deep seated understanding and caring attitude of the fundamental objective of helping others in time of distress.

We, in the Red Cross, look forward to a continued rewarding partnership with the members of ARES. In this regard we shall be in contact with you in the near future.

Again, thanks for a splendid effort.

Sincerely,

  
Dick Kreutzer,  
Disaster Chairman

  
Betty Phillips Patterson  
Executive Director

BPP/st

In a note which accompanied this letter Bill Jump WDO/HVY notes: "...while this letter has Gene and my names as letter head, Betty Patterson sincerely wanted to thank all Hams who participated or were there as back up."

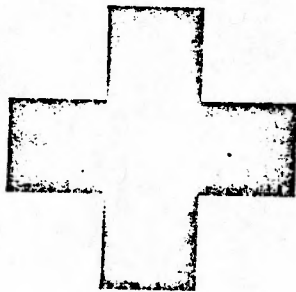
Thank you  
Bill

EXHIBIT 26: THANK YOU TO ARES (SPONSORED)  
BY NCAEC, INC.



Photo by Michael Fowler, Estes Park Trail - Gazette

Rocky Mountain  
Division



American  
Red Cross

In Grateful Appreciation

TO AMATEUR RADIO EMERGENCY SERVICES (ARES)  
for extraordinary effort  
in helping render aid  
to the victims of  
Estes Park Flood  
July 15, 1982 - DR 607

*Bonnie Merchant*  
Disaster Services Director

*Dick Buntzel*  
Disaster Cbmn., Larimer County



**NCARC March Minutes**

This was one of the more informal meetings; apparently everybody got the nip of spring fever. (We were also competing with spring break as well.) It was decided to set aside \$600 for door prizes at this year's Superfest. OJ was assigned to contact AG0X to setup an ARRL forum, and some brief discussion was held on lightning protection for the repeater sites. WDOGNE is going to check with his new boss for more information on this. Other than that,, breakfast was late, and attendance was slim. Remember it is at these meetings that the NCARC makes all its important decisions. It is the right of every member to attend, even if you don't come to eat breakfast. Your vote counts!.

**NCARC May Minutes**

The meeting was called to order at 9:25 AM by President Kent Douglas, KA0TTH. The minutes are being taken by VP Bob Schmid, WA9FBO, in the absence of the club's secretary.

The minutes of the last meeting were read by WA9FBO and corrected. The minutes were approved as corrected.

Treasurer NK0R gave the following amounts in the club treasury: Checking, \$1979; savings, \$5200 (approx.). Membership is currently 139, with approximately 70 not yet paid this year.

N0MCR and KE0UL volunteered to contact non-paid members by telephone. When appropriate, correct repeater usage will be explained, using the published Repeater Use Guidelines.

NK0R reported on a meeting with the technical personnel of the proposed TV Channel 22 transmitter. This is a repeat of TV channel 31 in Denver at approx. 518 MHz with an ERP of about 5 MW. The tower would be 380 feet tall, erected on a ridge above Rist Canyon (NNW of Horsetooth), and would serve Fort Collins, Cheyenne, and so on. Discussion centered on interference with existing RF users, including Amateur Radio operations. The Amateur community was assured that Channel 22 engineers would correct and fund changes to existing users should intermod problems arise. Rent of space at the facility would cost about \$100 per month, should we wish to install equipment at the Rist site.

Superfest will be held on June 12. Duties assigned are: WA9FBO, food service; WD-GNE, prizes; N0MCR, tickets and flyers; and KE0UL, announcing and VE exams. NCARC will operate a swap table, for the purpose of increasing the treasury. Members are encouraged to donate equipment to be sold at the swap table.

N0MCR will create a flyer with preliminary information on the January 22, 1994 Superfest for distribution at the June Superfest.

Bob Schmid, WA9FBO Vice President (Acting Secretary)

**\*\* Longs Peak Rescue**

*[Note: While this event happened last summer, it hadn't made it into the newsletter before, and it's a good reminder as we approach the severe weather and summer recreation season.]*

August 30, 1992 was the day of the ham "14er event", on which groups of hams tried to communicate from as many 14,000 foot summits as possible. Jim Carlson, N0OJB and his friend Mark Schultz were hiking through the Boulderfield on the Longs Peak trail about 12:30 p.m. when lightning struck near them. They heard a scream and discovered that two hikers near them had been hit, and one was possibly seriously injured.

Jim used his HT to call for help on the 145.115 repeater, and contacted Bob Schramm, N0IIF. Bob immediately called 911, and the emergency dispatcher patched him through to the Rocky Mountain Park headquarters. For almost the next two hours, Bob relayed information from Jim regarding the situation. An EMT who was descending the mountain stopped to give medical assistance, and helped to answer medical questions relayed from the park headquarters through Bob. In addition to questions and advice regarding the injured hiker, information on weather conditions was needed, as a Flight For Life helicopter was dispatched from Denver to the Boulderfield.

During the emergency, another ham who was climbing a technical route on the East Face offered assistance, as another EMT and an RN were in his climbing party. However, they were a few hours of technical climbing away from the Boulderfield. Fortunately, the clouds lifted enough to allow the Flight For Life helicopter to make the pickup.

As the helicopter arrived, the group on the Boulderfield used jackets to mark a landing location. By shortly after 2:00 p.m., the more seriously injured hiker was on the way to Denver. The other hiker turned out to have only slight injuries, and walked out on the trail with the assistance of others who were heading down the mountain.

*[Ed. note: During this entire emergency, the hams involved displayed great professionalism, and many others who were monitoring cooperated by keeping the frequency clear for the emergency traffic. Don't forget your HT on your next trip to the mountains -- you never know when you might need it. Finally - consider taking some Red Cross First Aid and CPR classes -- in a situation like this, you'll be glad you did.]*

**New Mexico Mountain Top Event**

There will be a mountain-topping event in New Mexico in early June. The "New Mexico 10,000 Foot Mountain Top N Handie Talk'N Event" will take place at high noon on Saturday, June 5, 1993 on 146.500 MHz. As the name implies, mountains over 10k are going to be put on the air by interested amateurs. It might be fun to try to work these guys from one of the southern Colorado mountain passes.

EXHIBIT 28: NCARC, INC. ARES  
DOES HAZARDOUS MAT'L-4-  
EXERCISE

MAR '85  
NEWSLETTER

DISTRICT 10 ARES NET

WAØDDC	April 2
WAØDRM	April 9
KDØGN	April 16
NØAIA	April 23
WBØTSX	April 30
NØFCA	May 7
KØOJ	May 14
WA6KYI	May 21
WAØDDC	May 28

If the scheduled date is inconvenient please arrange an exchange. Check-ins are encouraged each Tuesday evening at 2100 hours, 9 P.M. local time on the NCARC repeater, 146.25/85.

HAZARDOUS MATERIAL EXERCISE

\*  
Twenty-two members of District Ten ARES participated in a Larimer County Simulated Emergency Test (SET) on Friday 22 March. A voice and packet network was established, linking the Emergency Operations Center, the Fort Collins/Loveland Red Cross, the Red Cross District Office in Denver, the Larimer County Sheriff's Mobile Communications Van, and Weld County Emergency Services (simulated link using WØHJX).

This year's "theme" was a Hazardous Material (HAZMAT) Incident involving an acid-filled tank car parked on a siding in the North Rail Yard near Vine Drive and Summit View. The acid leaking from the car created a toxic cloud that triggered a three vehicle accident, injuring 26 people, and caused the evacuation of the Collins Aire Park.

\*  
District Ten ARES was invited by Bill Gordon and Rick Perkins, Larimer County Emergency Management Office, to participate in the planning and execution of the exercise. As a result of the capabilities demonstrated during the exercise, especially packet radio, ARES has been asked to occupy a space in the Mobile Communications Van on future emergencies, real and exercise.

I would like to thank all those who participated in the SET, either in person or on the radio nets. An extra measure of thanks goes to NØAIA (Chuck), NØDZA (Pen), KØDVI (Willard), WØHJX (Sam), WD5IBS (Chris), and KAØNJW (Bob) for volunteering their time to man the voice and packet stations during the exercise.

Ted WBØTSX

VE Test Schedule

Please refer to the February Tri-Bander for details of testing in other parts of the state. Tests will be administered locally on May 4 at Hewlett Packard, Ft. Collins at 10 A.M. Contact Bob Leslie, NØEEE, Tel. 221-1324 for details. There is a \$4 fee and the 610 application form must be submitted. They can take care of 'walk-ins'.

EXHIBIT 29: TROLLEY RUN  
PARTICIPATION

NCARC TRI BANDER  
APRIL 1982

EC DOES IT (cont)

from area clubs. Bring a 35MM camera to the Field Day site, and then submit the best of the bunch for possible use by the ARRL. Include a brief description of each slide, either straight or funny, and be sure to include your name and call sign. The club and training department will send a postcard acknowledging receipt of your slides and will return the originals whether they are used or not. Please send submissions to

FIELD DAY 1982  
ARRL  
225 MAIN STREET  
NEWINGTON, CT 06111

When the primary repeater is down and use of an alternate machine has not been requested, regularly scheduled nets will be called on a simplex frequency of 147.540 MHz. Those Amateurs wishing to participate are requested to monitor on this frequency until approximately 10 minutes after the hour. Using my beam and 25 watts I can contact members in Ft. Collins and Loveland. If the repeater is down and you wish to give it a try call on 147.54.

This month's news letter contains a computer generated form. I would like all of those who are interested in ARES and have made some changes since filling out a registration form to send this form to me or get it to one of the AECs. We hope to get an update and printout in the near future. Thanks to Bill Jump WDØHVY for preparing the form.

Till next month 73 and see you at the April meeting.

Gene Bellamy WDØDRM  
E.C. District 10

\* \* \*  
HAM HELP ASKED

On Saturday April 17 in Fort Collins, there will be a race called Run Trolley, Run which is a benefit to aid the restoration of Trolley Car 21. The event will run from 8AM TO 10AM and will follow the old trolley line. Hams are needed at various points along the route to provide communications. If you can help, please call Joan Seegmiller NØBWR in Fort Collins at 484-6845 or on the 25/85 repeater.

A LOSS TO THE CLUB

We are sad to report the untimely death of a fellow Club member John Hamilton WØMDS. John's wife Ruth has provided us with the following.  
John W. Hamilton was born on December 18 1907 in Dallas. A Texan always, his death occurred last March 3 as he was returning from a 2 month vacation in Corpus Christi. John had a full, varied and exciting life--he worked for 25 years for the Denver and Rio Grande Railroad, for 10 years for May D&F in Denver and for the last 2½ years before he retired with San Juan Tours in Estes Park. He was very active in emergency communications, always there when a station was needed. He spent thousands of hours working for the Red Cross in Larimer County and elsewhere and was a calm steadying force in the many crises that faced that organization. John was a member in good standing

### Items for the Tri-Bander

Please send your news in by March 25 for the next Tri-Bander. Mail to:

Doris McKellar, 418 Buckeye, Ft. Collins, 80524 or call 482-1516.

### VE Test Schedule

March 17, 1985 at the Aurora Swapfest, Aurora Armory, 55 S. Potomac  
Although the 610 forms were to be mailed in by Feb. 15, Glen Schultz, WØIJR is the contact and applications may still be accepted.

April 17, 1985 Denver Radio Club. Contact Jon Willis, 2938 Eagle Way, Boulder, CO 80302, Tel. 449-0358. His call is WDØAIT

April 20, 1985 Metropolitan Area. Contact WØIJR

April 20, 1985 Grand Junction Swapfest. Contact WDØECY

April 20, 1985 Pueblo. Contact WBØYES

May 4, 1985 Hewlett Packard, Ft. Collins. Scheduled for 10 A.M. Contact Bob Leslie, NØEEE, Tel. 221-1324. Hewlett Packard is located at 3404 E. Harmony Rd. and is easily accessible from both I-25 and S. College Ave.

Each applicant must fill out a 610 form and have a copy of license plus \$4. It is hoped that as this program gets under motion the examiners may be able to handle walk-ins. When we get that news we will pass it on to you, but until that time mailed-in applications are required.

~~XX~~  
Upcoming Larimer County Simulated Emergency Test

On March 22, Larimer county will hold a large simulated emergency test (SET), involving many agencies such as the county fire and Sheriff's offices, the Red Cross, and local hospitals. Amateurs have been invited to participate, and we are soliciting the aid of any area hams who would like to practice their skills at communications in emergency conditions.

The Poudre River Packet Radio Association will try to have a demonstration of packet radio communications during the SET, and Ted Black, WBØTSX, the area ARRL Emergency Coordinator, is looking for volunteers to staff various locations throughout the area to provide communications. This is a good opportunity to build a team of hams for these purposes, and to find out all the things that can and will go wrong when we get called out for the real thing. Please contact Ted at 493-3145 about what help you can be during the SET, and in general.

### Our Appreciation

Everitt Enterprises, 3000 South College in Ft. Collins again have made their duplicating and mailing facilities available to us. This is a service that we deeply appreciate.

EXHIBIT 31: NCARC SPONSORED ARES W  
FLASH FLOOD SIMULATED EMERGENCY TEST  
-3-

Apr '86

DISTRICT 10 ARES NET

KØOJ	April 29
WBØTSX	May 6
WDØDRM	May 13
KDØGN	May 20
NØAIA	May 27
KØOJ	June 10
WBØTSX	June 17
WDØDRM	June 24

This net meets Tuesday evenings at 9 o'clock local time on the 146.25/.85 repeater, and supplies communication to members in between the monthly publication of the Tri-Bander.

FLASH FLOOD AWARENESS WEEK  
in Colorado

XX  
Governor Lamm proclaimed April 6-11 "Flash Flood Awareness Week" in Colorado. In keeping with that proclamation a simulated emergency test (SET) was held in Larimer County on Wednesday, April 9th. Local government agencies, the American Red Cross and Amateur Radio Emergency Services (ARES) District 10 participated in the "table top" exercise that developed as the Cache La Poudre River overflowed its banks and began to flood the low lying areas of the county near LaPorte. So much for scenario. The ARES became involved at about 0845 when the call was received from the Office of Emergency Management; KEØBI (Bob) opened the net and began to accept checkins. Before the exercise was concluded at about 11:30 twenty-five Hams responded to the call. Because of the limited and static nature of the exercise only two communications sites were actually manned: the Emergency Operations Center (EOC) by KEØBI and WBØTSX (Ted) and the Red Cross Chapter House by KØDVI (Willard). An eighty meter voice link was established by NØEON (Mike) to pass traffic to the Colorado EOC in Golden. Packet Radio was used on the EOC to ARC link, and also from Larimer County EOC to Weld County EOC in Greeley, simulated by WØHJX (Sam). This was the first SET for the packet digipeater (WØHJX-1) located at the Horsetooth site; its wide coverage increases the potential applications for packet radio. During last year's SET the speed, accuracy and hard copy capabilities of packet were demonstrated and acclimated by the key officials in the OEM. Our excellent reputation with Larimer County officials has been achieved over the years through willing response, reliability and even our ingenuity. Thanks to all who participated in the SET!

MONEY

Norm, NØAJH, Treasurer of NCARC, reports the following: In savings: \$2013.98; in checking: \$1040.05; cash on hand \$21.00; building fund: \$720.00 making a total of \$3075.03. The building/site fund has a long way to go before the club can consider any negotiations, and Herb (KAØRXI) and Ava (KAØRXJ) are doing their part by contributing the quilt project. The support of the entire membership will be needed, though, so 'look sharp' and see what you can do to help.

BOARD OF DIRECTORS' MEETING

Friday, May 16 at 7:30 P.M. at 3109 N. Douglas, Loveland, 80537. Board meetings are open to any NCARC members who wish to attend.

## Library focus

# Generosity keeps books on shelf

By **DEB MALTRY**  
For The Coloradoan

When most people think of donating books to the library, they think of donating older, used books to the Friends of the Library book sale.

Today, tight budgets and increased demand for variety mean that more new books on the shelf are donated by those who want to share a love of literature with the entire community.

In addition to books, the growing demand for videos and books on tape has inspired viewers and listeners to share their "gently used" items with other library borrowers.

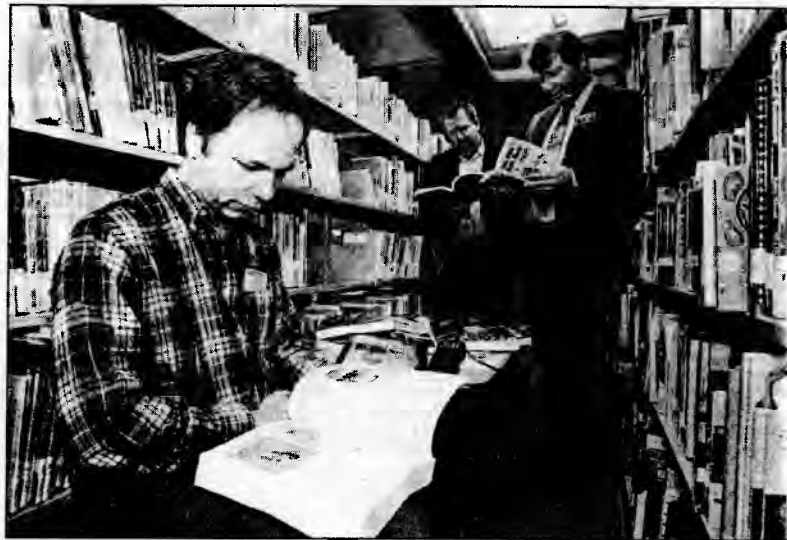
Library users who want to check out "Airframe" by Michael Crichton or "A 3rd Serving of Chicken Soup for the Soul" can thank donors when a much-awaited copy becomes available. The library's first copy of both these titles came from individuals who bought the book as a donation.

"Donations of new books and material help in two ways," says Dean Willms, program administrator for Collection Development. "When the book is very popular, we sometimes have up to 100 people waiting for it and additional copies help us satisfy the demand. In other cases, we can simply purchase fewer copies of high-demand titles and this allows us to spend our money on selections that we might not otherwise be able to afford."

Many donations are from individuals who wish to share a book they enjoyed or to honor or memorialize a special person or event. Several local businesses donate new books annually.

Endowment programs, sponsored by the Friends of the Library and the Library Fund, increase the library's resources. The Friends of the Library's Gift A Book program, where a cash gift of \$350 provides a new book each year in perpetuity, bought 35 new books last year. The Library Fund, part of the Fort Collins Community Foundation, provided approximately \$15,000 to buy books in 1996.

Local community groups often donate titles about their specific area of interest. When the Marketing Club of Northern Colorado recently disbanded, they decided



V. Richard Harro/The Coloradoan

Michael Robinson, front, Randy Long, left, and Steve Henry, right, of the Northern Colorado Amateur Radio Club, look through a display of ham radio books their club donated to the Fort Collins Public Library on Thursday.

### Helping out

■ For more information about the Bestseller Club, call 224-6164.

■ The library accepts donations on a no-strings-attached basis and reserves the right to use donated materials to best enhance the library's collection.

■ Celebrate April Fool's Day at the library. The adult storytelling troupe "Wordflight" will host a program of humor and surprising stories to celebrate April Fool's Day. The program will be at 7 p.m. March 31 in the Main Library Ben Delatour Room, 201 Peterson St. Admission is free and no reservations are required. For more information, call 221-6380.

that a donation of marketing, advertising and graphics books, as well as a cash donation, would be a good final gesture to the community.

Their donation of more than 40 of the latest titles was a significant boost to the library's book

ness collection.

"When people with expertise in fields select books, their in-depth knowledge makes the donation even better than if we pick out the books ourselves. They really know what people want and need," says Willms.

The Northern Colorado Amateur Radio Club recently donated a collection of radio and communication books, including study guides to help people earn an amateur radio license and books devoted to communication technology, such as satellite communication and setting up channels.

According to Steve Henry, a member of the club, "We noticed that the library's collection was dated since technology changes quickly. Providing these books will help people in the community who share our interest; and it will advance our goal of educating young people about radio technology."

Book donations are even more important as the library prepares to open the Harmony Library in

"The Main Library is so crowded that when we add a new book another one must usually be discarded. We are continually weeding the collection to keep it current and meet our customer needs. Because of the Harmony branch opening, when a book is donated and we already have the title, we save it to add to the Harmony Library collection," says Willms.

Because the community is generously responding to the need for books, the library is starting the Bestseller Club.

The Bestseller Club encourages people who buy newly released books, videos, or books on tape to enjoy their purchases and to donate the materials to the library.

The Coloradoan and Friends of the Library jointly produce Library Focus, which prints every third Sunday in the Choice section. If you have any questions or comment call Michelle Kubik, 224-7729, or Deb Maltry, 224-6164, at the Fort Collins Public Library.



# WELD LIBRARY DISTRICT

March 17, 1997

Clifford A. Baker  
Northern Colorado Amateur Radio Club  
2623 52nd Avenue  
Greeley, CO 80634

Dear Mr. Baker,

Thank you so much for your recent donation of twenty books to Weld Library District on amateur radio. They are now cataloged and on the shelves of our libraries throughout Weld County. Your donation furthers Weld Library District's mission of providing public access to information services.

Organizations like yours are so very important to public libraries in providing up-to-date technical resources. Such materials are often difficult to keep current considering both the rate of technological change and limited library budgets.

It was also a pleasure to meet with you and have your generous donation so graciously presented to us personally.

Sincerely,



Luella Kinnison  
Director



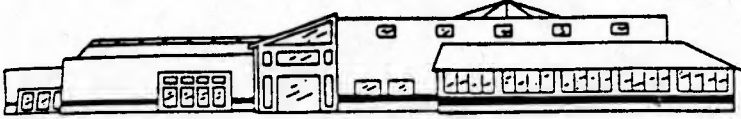
Marla Kraft  
Community Information/Marketing

Centennial Park Branch  
and Bookmobile Services  
2227 23rd Avenue  
Greeley, CO 80631  
(303) 330-7691

Carbon Valley Branch  
601 4th St. P.O. Box 118  
Frederick, CO 80530  
(303) 833-3510

Lincoln Park Branch  
919 7th Street  
Greeley, CO 80631  
(303) 350-9210

EXHIBIT 32 : THANK YOU LETTERS



Loveland Public Library

March 31, 1997

Northern Colorado Amateur Radio Club  
P.O. Box 356  
Timnath, CO. 80547-0356

On behalf of the Board of Trustees and the staff of the Loveland Public Library, I would like to thank you for your on-going support of the library. The donations are a wonderful means for us to enhance the library in areas that are not budgeted, but also helps heighten areas that are. We will continue to strive to make Loveland Public Library the finest it can be!

Sincerely,

Ted Schmidt  
Library Director



*July 28, 1997*

*Mr. Steve Harvey  
Northern Colorado Amateur Radio Club  
3124 Appaloosa Court  
Fort Collins, Colorado 80526*

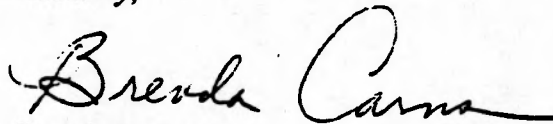
*Dear Mr. Harvey:*

*The Fort Collins Public Library thanks the Northern Colorado Amateur Radio Club for the donation of two books.*

*The books, Now You're Talking (3<sup>rd</sup> Edition) by the American Radio Relay League, are being processed with gift plates and will be placed on the shelves for the public to enjoy.*

*The staff greatly appreciates this generous addition to the collection.*

*Sincerely,*



*Brenda Carns  
Library Director*



**FORT COLLINS PUBLIC LIBRARY**  
201 PETERSON, FORT COLLINS, COLORADO 80524

## Library focus

# Generosity keeps books on shelf

By DEB MALTBY  
For The Coloradoan

When most people think of donating books to the library, they think of donating older, used books to the Friends of the Library book sale.

Today, tight budgets and increased demand for variety mean that more new books on the shelf are donated by those who want to share a love of literature with the entire community.

In addition to books, the growing demand for videos and books on tape has inspired viewers and listeners to share their "gently used" items with other library borrowers.

Library users who want to check out "Airframe" by Michael Crichton or "A 3rd Serving of Chicken Soup for the Soul" can thank donors when a much-awaited copy becomes available. The library's first copy of both these titles came from individuals who bought the book as a donation.

"Donations of new books and material help in two ways," says Dean Willms, program administrator for Collection Development. "When the book is very popular, we sometimes have up to 100 people waiting for it and additional copies help us satisfy the demand. In other cases, we can simply purchase fewer copies of high-demand titles and this allows us to spend our money on selections that we might not otherwise be able to afford."

Many donations are from individuals who wish to share a book they enjoyed or to honor or memorialize a special person or event. Several local businesses donate new books annually.

Endowment programs, sponsored by the Friends of the Library and the Library Fund, increase the library's resources. The Friends of the Library's Gift A Book program, where a cash gift of \$350 provides a new book each year in perpetuity, bought 35 new books last year. The Library Fund, part of the Fort Collins Community Foundation, provided approximately \$15,000 to buy books in 1996.

Local community groups often donate titles about their specific area of interest. When the Marketing Club of Northern Colorado recently disbanded they donated



V. Richard Harro/The Coloradoan

Michael Robinson, front, Randy Long, left, and Steve Henry, right, of the Northern Colorado Amateur Radio Club, look through a display of ham radio books their club donated to the Fort Collins Public Library on Thursday.

### Helping out

■ For more information about the Bestseller Club, call 224-6164.

■ The library accepts donations on a no-strings-attached basis and reserves the right to use donated materials to best enhance the library's collection.

■ Celebrate April Fool's Day at the library. The adult storytelling troupe "Wordflight" will host a program of humor and surprising stories to celebrate April Fool's Day. The program will be at 7 p.m. March 31 in the Main Library Ben Delatour Room, 201 Peterson St. Admission is free and no reservations are required. For more information, call 221-6380.

that a donation of marketing, advertising and graphics books, as well as a cash donation, would be a good final gesture to the community.

Their donation of more than 40 of the latest titles was a significant boost to the library's business collection.

ness collection.

"When people with expertise in fields select books, their in-depth knowledge makes the donation even better than if we pick out the books ourselves. They really know what people want and need," says Willms.

The Northern Colorado Amateur Radio Club recently donated a collection of radio and communication books, including study guides to help people earn an amateur radio license and books devoted to communication technology, such as satellite communication and setting up channels.

According to Steve Henry, a member of the club, "We noticed that the library's collection was dated since technology changes quickly. Providing these books will help people in the community who share our interest; and it will advance our goal of educating young people about radio technology."

Book donations are even more important as the library prepares to open the Harmony Library on

"The Main Library is so crowded that when we add a new book another one must usually be discarded. We are continually weeding the collection to keep it current and meet our customer needs. Because of the Harmon branch opening, when a book is donated and we already have the title, we save it to add to the Harmony Library collection," says Willms.

Because the community is generously responding to the need for books, the library is starting a Bestseller Club.

The Bestseller Club encourages people who buy newly released books, videos, or books on tape to enjoy their purchases and then donate the materials to the library.

The Coloradoan and Friends of the Library jointly produce Library Focus, which prints every third Sunday in the Choice section. If you have any questions or comments, call Michele Kubik, 224-7729, at the Coloradoan; or Deb Maltby, 224-6164, at the Fort Collins Public Library.