

# Astronaut Will Have More Demanding Role In Future

—Man And Space—  
By ALVIN B. WEBB JR.  
CAPE CANAVERAL (UPI)—  
On future U.S. manned flights

into space, astronauts are going to have more control over their own destinies. This intent has placed an

other heavy burden on the shoulders of engineers. Theirs is the task of now determining where human capabilities leave off and superhuman demands begin.

And still paramount is the utmost demand for safety, that characterized the Mercury man-in-space program and the "follow-on" projects Gemini and man-to-the moon Apollo. Striking a happy medium between the roles of men and machines on space flights is not proving easy.

U.S. astronaut Frank Borman, considered one of the best bets for an early flight aboard the two-man Gemini spacecraft, offers a general rule-of-thumb for deciding what man can do and what he cannot be permitted to attend to on hazardous space journeys:

"... The pilot will have to be able to prove that he offers some unique capability that will help to insure mission success."

In other words, the astronaut is not to be given a task simply in order that he will have something to do. He first has to prove that, in some way, he offers an advantage over the machine.

Project Mercury, which sent six astronauts into space on missions of varying lengths, was an acid test. "As a result of the Mercury experience," said Borman, "the pilot in both the Gemini and Apollo missions will have a more demanding role."

Borman cited a vivid example — the decision to let astronauts monitor the blast-off and powered flight and, if necessary, select a means of "aborting a Gemini shot in an emergency. In Project Mercury, most of this delicate task was handled from the ground."

Giving the astronauts more say-so in the matter, said Borman, was based on one simple fact: "The pilot provided the most reliable, lightest method of selecting and initiating the proper one of Gemini's three different abort modes (methods)."

On the other hand, there have been suggestions that human pilots pre-empt automatic guidance systems and actually fly the entire rocket and space capsule into orbit. The idea was mixed, at least for Gemini.

Again, there was a simple engineering answer, said Borman. "In the Gemini, it was considered simpler and more reliable to mechanize auto-pilot guidance for the restrictive down the groove type guidance problem encountered."

The young astronaut cited the Apollo manned lunar landing mission as an example of a still more complex relationship between man and machine, especially in the area of "aborting" the flight in case something goes wrong.

"In examining the Apollo abort problems," Borman said, "we found that there were certain malfunctions which required superhuman reaction times to permit safe abort. The reaction times actually vary with the time of flight."

The answer in this case was to leave the decision to the pilot's own judgment — whether to trust his own reactions to the tricky task, or to turn them over to an automatic system. Equipment is being built into the Apollo space capsule for both contingencies.

Borman, for one, has no objection to leaving the blast-off and reentry jobs in the hands of computers, guidance systems and other machines. The pilots will have plenty of time to prove their own unique value and importance along the rest of the space trip.

"Too often," he said, "undue emphasis is placed on the pilot's role during boost and reentry. These phases of flight are transition phases for a true spacecraft."

"We could hardly justify placing a crew aboard if their sole mission was to accomplish the transition phase successfully."

What this means, in general, is that astronauts are working toward more and more control over flights into space — but that it probably will be a long time yet before they match their aircraft brethren in flying their ships every minute, from take-off to landing.

**Reclamation Congress Sets Parley At Bend**  
BEND (UPI) — The Oregon Reclamation Congress will hold its 52nd annual meeting here Nov. 6-8.

The speakers included Harold Nelson of Boise, regional director of the Bureau of Reclamation; LaSalle Coles of Prineville, president of the National Reclamation Association; State Rep. Kessler Cannon, R-Bend, and Dr. Emery Castle, professor of agricultural economics at Oregon State University.

# Judge Rarick May Have Invited Deep Trouble

What It Means  
(A Continuing Study of Developments on the Racial Front)

By AL KUETTNER  
United Press International  
At first glance, it looked as though Louisiana District Judge John R. Rarick might have invited deep trouble with his decision Thursday to ignore a federal court order which protected civil rights demonstrators in the town of Clinton, La.

Such was not the case. For the present, at least, the judge's action is being ignored in the U.S. 5th Circuit Court of Appeals which has jurisdiction in the case.

The case, however, inevitably will develop into another major confrontation between state and federal authority.

Rarick, who dramatically stood among flags and said "God save the state of Louisiana" as he announced his decision, told a courtroom crowd in Clinton that the federal court was without authority to interfere in the town's racial case.

**Renews Restraining Order**  
Rarick bluntly renewed a temporary restraining order (which expired Thursday) against the Congress of Racial Equality (CORE). In that order, Rarick had enjoined CORE from participating in further racial demonstrations in Clinton.

The organization's attorneys had taken their case into federal court where they obtained a 10-day stay (or stoppage) of the state injunction. Earlier this week, the court of appeals ordered an indefinite extension of the stay.

Under the federal court action, Clinton officials were effectively prevented from go-

ing ahead with a trial of civil rights demonstrators already arrested and from handing out subpoenas to witnesses in the trials.

Now, what happens? Competent federal court sources in Atlanta say that the court of appeals will pay no attention to Rarick's action in extending his injunction.

However, should any efforts be made to go ahead with the state trial or subpoena witnesses if during the life of the federal stay, then the appellate court would "take notice" quickly.

Another act that would precipitate federal contempt action would be for new arrests to be made in Clinton's civil rights fuss.

In a hearing in Atlanta this week, federal jurists informed Clinton attorney Van Buskirk that they were not trying to interfere with normal arrests in the town. But the judges did not spell out what arrests they would consider "routine" and which would be construed as coming under the state court injunction.

In all likelihood, one of the first things the jurists would decide in new arrests would be the reason for the arrests.

Thus did the rural Louisiana town of Clinton become once more the focal point for an important decision in the spreading civil rights case.

As the cases spilled over continuously into the federal courts judges and their staffs were working overtime to keep up with the backlog. Three separate cases from Georgia and Mississippi were heard among nine cases on the calendar of the 5th Circuit Court in Atlanta Thursday.

# Ranch Ramblings

BY WAYNE MOSHER  
Douglas County Extension Agent

Livestock men in the county have several meetings on the horizon in which they might be interested. Of local interest to us, of course, is the annual meeting of the Douglas County Livestock Association which will be held in Roseburg Nov. 7.

We would like to encourage all livestock people in the county to attend the Livestock Association meeting whether you intend to become a member of the Livestock Association or not. At this meeting we try to give some information which will be of interest to all livestock growers in the county, including those of beef cattle, hogs and sheep growers. In the past we have leaned more heavily to information which pertained to sheep. However, a lot of the information also pertains to cattle and hogs. This year we will have some items of interest to all livestock people at the annual Livestock Association meeting.

**Wool Day Due**  
Another meeting coming up, which will be of interest to livestock people here in the county, will be the Sheep and Wool Field Day to be held at Oregon State University on Nov. 1, starting at 9 a.m. I plan to attend this meeting and would be glad to offer anyone who is interested in going, a ride. This is the meeting where new information of interest to members of the sheep industry is presented. I'm sure that any of you who have attended these livestock field days at Oregon State University, which are co-sponsored by the Western Oregon Livestock Association and the county, have come away with some good information.

Following the Sheep and Wool Day at Oregon State, the Oregon Wool Growers will be meeting on the 3rd to 5th of November in Portland at the Imperial Hotel. On the 6th through the 9th, the Oregon Cattlemen's Association annual convention will be held at Baker. Then the Western Oregon Livestock Association meeting will be on the 21st to 23rd, here in Roseburg this year.

We hope that many of you growers will attend any of these meetings that are of interest to you.

**Horsemen To Meet**  
For those of you, who might be interested in horses rather than cattle, sheep or hogs, we would like to remind you that the Oregon Horseman's Short Course will be held Nov. 16 and 17 at Withycombe Hall at Oregon State University in Corvallis. You need to register for this, and the course should be of interest to anyone who loves horses. There will be a charge for the short course, with a maximum of one hundred and

twenty students, 18 years or older. If you wish to pre-register you can contact A. W. Oliver at Oregon State University, Corvallis, Oregon, Department of Animal Science.

It seems that there are enough meetings to go to that a person could spend most of his time just going to meetings, and this certainly doesn't pay. But I'm sure that a little time spent at some of the more important meetings for your particular branch of the industry is well worthwhile, and I'm sure that you can not only get some information from the meeting but also get a chance to talk with other people in the industry and learn something that will be helpful to you.

Participate in your Livestock Association because we all know concerted effort on problems gets more results than individual efforts, particularly where you are dealing with large agencies. I feel that the efforts of the Livestock Association in working with the Bureau of Land Management have been helpful in getting a better understanding of our common problems.

**Support Urged**  
Support the organizations that will help you. If you are interested in cattle, perhaps there is real reason why you should support the Oregon Cattlemen's Association. It can be a big help to you. Perhaps, the Douglas County Livestock Association can help you on some problems, also. If you have ideas about what the Douglas County Livestock Association can do to be more helpful to the livestock people in the county, I'm sure that the Board of Directors and officers of the association would be delighted to hear suggestions. I'm sure they have been trying to help and any new ideas that are put forth would be very helpful.

## WINNERS NAMED

Winners of cakes presented to the largest families present at the Glendale Assembly of God Church Sunday, were Mrs. Starlen Lee and family with eight present; Mrs. Jeanette Oden and family, six present; and Mrs. George Stackhouse and family, including five children.

**VARIOUS WATER SAMPLES**  
OMAHA, Neb. (UPI) — The Naval Reserve Training Command has asked for a sampling of water from the Atlantic, Pacific, Great Lakes, Gulf and the Missouri River. The Navy said the water would be used in mortar to seal the cornerstone of a new \$800,000 training center.

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