

# U.S. Astronaut Will Get First Space Trip in 1960

Washington (Science Service)—One of America's seven astronauts will get his first trip into space in 1960. This will be one of about 25 space shots the U.S. has scheduled for the coming year. The brief jaunt will forerun a later attempt, perhaps in 1961, to launch a man into a low orbit for several passes around the earth. The brief flight next year will be part of the ballistic flight training program being planned for the astronauts by the National Aeronautics and Space Administration here. Other major NASA plans for 1960 include space probes to the moon about mid-year, to Mars around October and to the sun late in the year. The purpose of the space

probe to Mars will be to study its atmosphere for hints as to whether life exists on the planet. The Mars shot also is expected to carry instruments for measuring gravitational and magnetic fields of the planet, as well as nearby radiation. A space probe to Venus is nearing readiness ahead of first estimates. It is expected that the civilian space agency will attempt early in December to send a probe out to intersect the Venusian orbit. No attempt will be made to impact Venus as the planet is not in a favorable position. Among more than a dozen satellite and space probe shots scheduled for 1960 by NASA will be experiments aimed at gathering scientific data about

high-energy space particles, atmospheres, the earth's ionosphere, and gravity and magnetic fields around the earth, moon and in space. A 100-foot balloon satellite, an experimental in communications, also is to be launched. It should be visible as a "bright star" as far north as Seattle. 'Poor Man's Rocket' NASA also hopes to complete in 1960 its world-wide tracking network for the man-in-space program, and to fly the new four-stage, solid-propellant Scout rocket—the so-called "poor man's rocket"—costing \$350,000 a copy and

capable of orbiting 200 pounds. For 1960, the Advanced Research Projects agency has booked launching of a Courier-type satellite. It will be similar to but more complex than the Project Score satellite that broadcast President Eisenhower's 1958 Christmas message. ARPA scientists will strive to achieve a 500-mile-high circular orbit for this satellite. ARPA also will attempt to put three 260-pound Transit navigation satellites into orbits in an experimental program aimed at developing the

full potential of satellites for precise navigation on earth. AF Readies Shots The Air Force is understood to be readying 4 to 6 shots in its Midas service. These will be polar-orbiting satellites aimed at providing early warning against missiles fired at the U.S. The satellites may be equipped with infrared detector devices. The Air Force also is expected to fire about a dozen Discoverer shots in its continuing effort to develop recovery systems for ejected satellites and manned space capsules.

# Chemical Helps Make Charcoal from Wood

Upper Darby, Pa. (Science Service)—The chemical compound sodium arsenite has been successfully used along with "stump seasoning" to produce more charcoal from wood. The chemical peels the bark inexpensively and efficiently, while "storing" about one year on the stump—leaving the tree standing—reduces wood handling and storage. About 11 per cent more charcoal was the yield from the procedure, reported researchers at the U.S. Department of Agriculture's Northeastern

# School Enrollment At Record Level

Washington (UPI)—A record 44,370,000 Americans were enrolled in schools and colleges in October, the census bureau has reported. Increases were reported at all schooling levels compared to the state of the 1958 school year, when enrollments totaled 42,900,000. The report said 2,032,000 youngsters were attending kindergarten, the first time the total has exceeded 2 million. Elementary school enrollments totaled 29,382,000. Forest Experiment station here.

high school 9,616,000, and college or professional school 3,340,000. The bureau estimated that three-fourths of the college and professional enrollees were full-time students. Horses drawn vehicles moved at an average speed of 11.5 miles an hour through New York City's streets in 1907, according to a traffic study at the time. Today, in congested areas, an automobile crawls at an average of 6 mph. Boise (UPI)—Idaho Supreme Court Justice James W. Porter, 72, died today.

The winter of 1958-59 was a cold one. The East Coast was 2.5 per cent colder than normal and 4.7 per cent colder than the winter before. The Midwest was 1.1 per cent colder than normal and 3.9 per cent colder than the previous year. In 1925, Arkansas became the first state to ratify the proposed child labor amendment to the Constitution. It still hasn't been adopted. Malaspina Glacier off the southern coast of Alaska could cover all of Rhode Island.

# The Family Council

Editor's Note: The Family Council consists of a Judge, a psychiatrist, three clergymen, a newspaper editor, a women's editor and two writers. Each article is a summary of an actual case history. The Council reports on problems that have been dealt with by responsible agencies and counselors.

**Dora R.**—They want to take over my baby. **George R.**—She's the helpless type.

**Dora R.**—My husband and I have been married two years and we are expecting a baby in a few months.

My problem has to do with both my mother and my mother-in-law. It is the first grandchild for both and they are all excited about the event. They want to take over my baby and I am afraid they'll be fighting one another as well as making trouble for me.

I want to have my baby to myself but I want to have a nurse help me during the first weeks. My husband says we can't afford this, and besides both our mothers will be insulted because they want to do everything for us.

**George R.**—I honestly don't see how we're going to be able to pay for a nurse and all the other things we need for the baby. We are in debt already and this thing is getting us way out of our depth. I can't see why Dora is so silly about using the help of our mothers who are both willing and able. Dora admits she is absolutely helpless in handling an infant.

Both mothers have been very good to us in helping set up our home and I think Dora ought to be grateful. She wouldn't have known what to do. She's the helpless type.

**The Council:** As long as Dora perpetuates the idea she is "the helpless type" she will be both dependent and bitterly resentful of her mother and mother-in-law.

It is interesting that now, months before the actual birth of the baby, Dora is convinced the two older women "want to take over my baby." We strongly suspect that Dora is letting her panic get the better of her and feels so incompetent to handle the baby that she would like to foist the problem on the two mothers.

Dora should be aware that most young women who have had no training feel a little jittery about baby care, but they learn quickly once they have been shown some of the pointers. A doctor or nurse is the best one to give those pointers and Dora should ask her doctor whether a course in infant care is being given at some nearby hospital or clinic. Dora should also do

some reading about infant care so she'll have some idea of what to expect.

Once Dora recognizes she is as fully capable of learning to handle a baby as her mother, mother-in-law and billions of other women, she will not resent learning from them or anyone else. She will accept the fact that a beginner is never as adept as an experienced person, but that a start must be made somewhere. Dora will eventually become just as skilled as every other woman if she doesn't let her panic take over.

Many women find they are quite capable of handling their babies by themselves with help only from a husband or neighbor during the first weeks. However, if Dora can't build up enough knowledge and confidence in time for the baby's birth, she'll need a hand from somebody. If the presence of her mother or mother-in-law would make her nervous and unhappy, she should not be forced to tolerate them. A financial sacrifice should be made in some other direction that doesn't directly affect the health and well-being of mother and baby.

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# Grange News...

**Sams Valley Grange** will hold the regular monthly meeting Saturday, Dec. 12, starting at 7 p.m. with a potluck supper.

New officers for 1960 will be installed at Gold Hill Grange hall Sunday, Dec. 13, at 1:30 p.m. at the joint installation by Pomona Grange. Sams Valley officers to be installed include: Jerome Fitzgerald, master; Elwood Abbott, overseer; Victor Croxton, lecturer; Ernest Radomske, steward; Dalton Straus, assistant steward; Ramsey Thompson, gatekeeper; Lois Radomske, chaplain; Rosalia Abbott, treasurer; Ralph James, secretary; Esther Moes, Ceres; Ona Fitzgerald, Pomona; Ruth Straus, Flora; Donna Straus, lady assistant steward; Connie McDonough, pianist, and Thelma Gowen, home economics chairman. Elected to the executive committee were Albert Straus, Herman Priem and Al Gowen.

Pakistan's 1958-59 tobacco crop increased by 16 million pounds or 7.9 per cent over '57-'58.

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