

# Apollo Contributions Already Make Mark

This day man's oldest dream is a reality — this day the ancient bonds tying him to the earth have been broken. Apollo has given us a new freedom. With the achievement of the first manned landing on the moon, we have accomplished the most momentous feat in the history of man.

The triumph of Apollo 11 is nevertheless only a beginning — it has given us the confidence to dream those impossible dreams and the knowledge required to make those dreams a reality.

No event has so sharply focused the attention of people everywhere. For men of all nations, and of all stations, Apollo is a portent of progress, a benign symbol of their ability and of their civilization.

But Apollo is more than a portent — it has already contributed greatly to the advancement of knowledge and the use of technological innovation, which are the keys to better living for all people. In addition, the pursuit of excellence that characterizes space activity has advanced all of those nations that have entered this arena.

It is clear that leadership in science and technology is a dominant factor in the economic and political competition among the industrial nations. It is also

rocket stages in flight, is on sale in a commercial version for monitoring industrial processes.

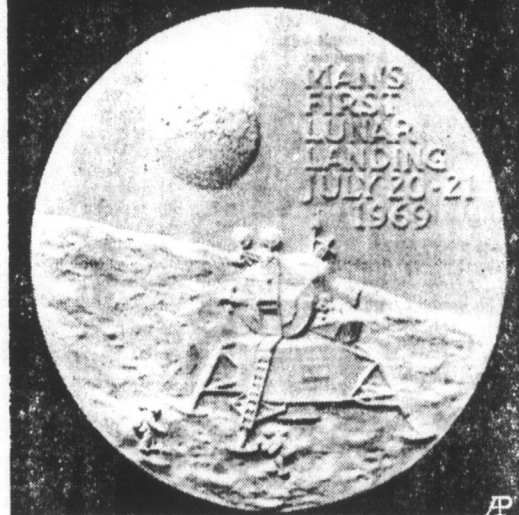
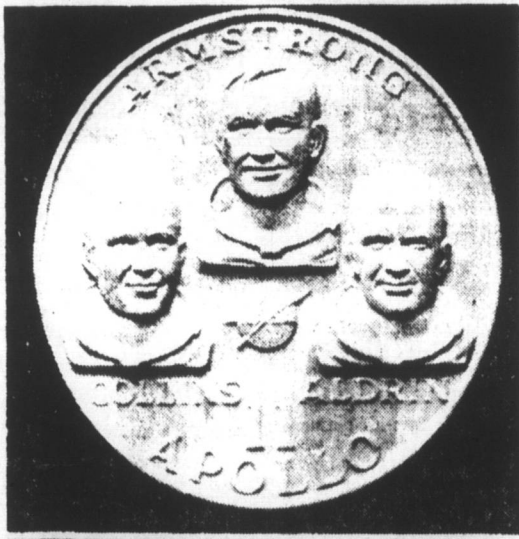
Bearings now being marketed are coated with a ceramic-bonded dry lubricant developed for use at high temperatures in a vacuum where other lubricants evaporate.

And yet the most important product, the one that will have the most enduring effect, is, I believe, the permeation of

on the moon. And from our orbital pictures, we have seen evidence of what might have been the flow of rivers on the moon.

Wherever there are oceans and the atmosphere that has to accompany them, there may have been the kind of conditions that led to life on this planet.

When a man says he does not care for the society of women, you know that he has tried and failed.



**MEDALS COMMEMORATE FLIGHT**—Photo shows both sides of commemorative medal which honors the Apollo 11 moon-landing mission and the three astronauts on the mission. Designed by New York sculptor Ralph J. Menconi, the medal is 2.5 inches



clear that only continuing growth in national productivity can produce the wealth necessary to provide the rising standard of living that more and more people are coming to expect.

The stimulus of the space program has already produced more new knowledge and more innovations in all aspects of our lives than any previous endeavor, including major war.

The basic idea of the space helmet has been used in the design of a hood worn by patients in a children's clinic so that their consumption of oxygen can be measured while they perform exercises.

A filtered air system that eliminates virtually all dust and airborne bacteria within minutes from the operating room and other medical environments has been developed.

The National Aeronautics and Space Administration (NASA) program for assembly of spacecraft in a dust-free environment provided the scientific basis for these surgical and medical applications.

A plastic-metallic spray for attaching heart electrodes to test pilots is being used experimentally in equipment with which electrocardiograms of ambulance patients can be flashed ahead by radio to a hospital receiving room.

A sensor designed to count meteorite hits on a spacecraft is the basis of an instrument that, by measuring muscle tremors, may help doctors in early detection of certain neurological ailments, including Parkinson's disease.

An instrument designed to measure air pressure on small flight models in wind-tunnel tests has been adapted to measure blood pressure. The sensor is so small it can be inserted through a hypodermic needle and pass along an artery into the heart.

There are many examples of the use of space technology in industry and other nonmedical fields.

A 24-ounce, battery-operated television camera no bigger than a king-size pack of cigarettes, which photographs the separation of Saturn 5

society by that psychology which accepts and, indeed, expects the use of new technology. Over half a million people have been trained in new ways of doing things, and their influence will continue through the coming years.

Scientific parochialism has been broken down before such challenges as the requirement to keep a man in comfort on the lunar surface — where there is no atmosphere, and where the temperature varies between 260 degrees and minus 330 degrees Fahrenheit.

Engineers worked with medical doctors, chemists and metallurgists with biologists — all these and others learned to work together to prepare the environmental control system that Buckminster Fuller has called "man's first scientific home."

We have learned much and we have built well, and we are now prepared to meet the next challenge — to utilize this new territory, this "other world," the moon. Nine more Apollo-Saturn mooncraft are being readied to continue the exploration of this fascinating new land.

Our lunar exploration program has planned landings at 10 sites, four of which lie essentially in the zones of the initial Apollo lunar landing candidate sites.

It has been surprising that as we have learned more about the moon, we have found it is a much more dynamic planet than anyone thought four or five years ago. For example, many geophysicists now believe that there were at one time oceans

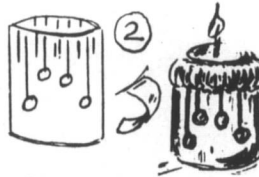


**SAVE THE CAN AND KEEP AMERICA BEAUTIFUL**

**CANDLE HOLDERS AND NITE LIGHTS**  
Cans, being metal, are natural for fashioning into Nite Lites and candle holders.



**Nite Lite**—(Fig. 1) Draw line with grease pencil around Canada Dry can, 2 in. from bottom. Punch neat pattern of holes around can in area below line. Use nail punch. Cut around can, along penciled line. Use rip can opener. Paint with enamel or lacquer. Insert vigil candle that comes set in small, colored glass.



**Lite Or Holder**—(Fig. 2) This can serve either purpose. It all depends on size of candle. Draw line with grease pencil around can, 1 in. from top. At different heights below line, punch several holes as shown, about 1/4 in. apart. Cut around can, along penciled line, using rip can opener. With shears, cut from top down to each hole. Between each of these cuts, now make two one-inch cuts. Using pliers curl each strip around and under as shown. Paint.

**CROWNING OF 'MISS NAACP'**—Climaxing a year-long membership drive among NAACP youth council members was the crowning of "Miss NAACP" and the naming of her attendants during the NAACP 60th Annual Convention in Jackson, Miss., June 30-July 5.

The winner, Miss Brenda Tipton of the Oklahoma City Youth Council (seated), was awarded a \$500 scholarship and an all expenses paid trip to Acapulco, Mexico, via American Airlines for herself and Mrs. Clara Luper Clark, youth council advisor.

## City is Included In National Job Survey

A sample of residents in this area will be included in a nationwide survey of employment to be conducted during the week of July 13 by the U. S. Department of Commerce's Bureau of the Census, according to Joseph R. Norwood, Director of the Bureau's regional office in Charlotte.

The survey is made each month for the U. S. Department of Labor to determine the number of persons with

jobs, the number looking for jobs, and the monthly unemployment rate. The survey furnishes a basic measure of the Nation's economic health.

Information obtained in the survey can be used only to determine statistical totals, and facts about each person and family are kept completely confidential.

Bureau interviewers who will visit households in this area are: Mrs. Ann W. Gary U. S. Census Representative 1201 N. Gregson Street Durham, N. C. 27701

responsible for enlisting 4,754 members.

First runner-up was Miss Ruby Eley of Ivor, Va., (left), who achieved a statewide high of 2,152 members. Miss Eley was awarded a \$250 scholarship plus an expenses paid trip via Eastern Airlines to Miami with Mrs. Helen Howard, youth council advisor.

Second runner-up, Miss Debra Bell of Powhatan, Va., (second from right), won a \$150 scholarship plus a \$25 War Bond for chalking up the highest youth membership in proportion to her city's Negro population.

Third runner-up, Miss Tenna Land of Fresno, Calif., (right), was awarded a \$100 scholarship and a \$25 War Bond. Miss Land was credited with her youth council's 609 membership increase.



Matchmaker, Matchmaker

Many hostesses feel that they have another calling in life other than just being wives, mothers or whatever else they presently are.

Deep down inside they are matchmakers supreme—often to the utter dismay and embarrassment of the unwary single, unlucky

enough to cross their path. Now it's true that there are some single people who don't mind being pointedly invited to a dinner where another obviously unattached person will be present. But it's been my experience that most unmarried or divorced persons don't like to advertise their single state and resent the blatant efforts of even the most well-intentioned hostess.

If you are going to invite a single woman, than you ought to supply a selection of single males other than the "him" you want to introduce her to; this is a good time to snag that older bachelor uncle, your second cousin in the retail business, an interesting student in your family.

## Crossword Puzzle

**ACROSS**

- Hog fat
- Asian fruit
- Large feline
- Angry
- Humorous play
- Take away
- Portent
- Always
- Bird's home
- Body of water
- Numbers
- Suffix: plural
- Import secretly
- Tellurium: chem.
- Arrange
- Jewish month
- Soaked
- Since
- For fear that

**DOWN**

- Green fruit
- Representative
- Color
- Arid
- Tree
- Wrath
- Germ cell
- Cooking appliance
- Volumes
- Happening
- Ice-cream—
- Gaelic
- More positive
- Heron
- Open-mouthed
- Tall grass
- Rug
- Strong alkali
- Winglike
- Produce
- Hit
- Desensitize
- Flower
- Germ of life
- Taste
- Mountain range
- View
- Stop
- Ravine
- French "friend"

**Answer to Puzzle**

36. Route: abbr. 37. Comfort 38. Seaweed 39. Seaweed 40. Poker stake 41. Amend 42. Moved restlessly 43. Memento 44. Turkish title 45. Fasteners 46. Fasteners 47. Fasteners 48. Fasteners 49. Fasteners 50. Fasteners 51. Fasteners 52. Fasteners 53. Fasteners 54. Fasteners 55. Fasteners 56. Fasteners 57. Fasteners 58. Fasteners 59. Fasteners 60. Fasteners

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**LICENSED NURSES ARE WANTED FOR CIVIL SERVICE EMPLOYMENT**

RALEIGH—The Raleigh Interagency Board of U. S. Civil Service Examiners for North Carolina announces that applications are now being accepted for Licensed Practical Nurse, GS-3. Salary for these positions is \$94.55 per week.

The Raleigh Board processes applications for all Federal agencies in the state of North Carolina.

For further information and/or application forms contact

Federal Job Information Office 414 Hillsborough Street, Raleigh, N. C. 27603 or the Office in Charge, U. S. Post Office, Durham, 27701. Refer to announcement no. AR-9-02.

**DRIVING & HEART ATTACKS**  
New York—Dr. Samuel Bellet of the Philadelphia General Hospital has reported that the stress of driving a car may contribute to fatal heart attacks among drivers with a history of coronary heart disease. The doctor said electrocardiograms taken in the act of driving merited further study.

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