

# ENGINEERING AND SCIENCE

## IN THIS ISSUE



On our cover this month is Dr. Ralph Bunche, Under Secretary General of the United Nations, under escort by a group of student wheels on his recent visit to Caltech in the YMCA Leaders of America program. For further notes on the Bunche visit, see page 22.

Dr. William H. Pickering, who wrote "The Earth Satellite Program" on page 13, adapted this article from the popular talk he gave on Alumni Seminar Day, held on the Caltech campus on April 7. Dr. Pickering, who is director of Caltech's Jet Propulsion Laboratory, is also a member of the National Academy of Sciences committee in charge of the satellite that will be launched during the coming International Geophysical Year. A Caltech alumnus (BS '32, MS '33, PhD '36), and a former member of the Caltech faculty (professor of electrical engineering), Dr. Pickering became head of JPL in 1954.

Heinz E. Ellersieck, who wrote "Muscovite Make-Believe," is assistant professor of history at Caltech, and a man with a remarkably broad knowledge of Russian political history—as you can see on page 19. Dr. Ellersieck's article is adapted from his talk at Alumni Seminar Day too.

Leon T. Silver, who took the photographs of the geology field trip on pages 24 and 25, is assistant professor of geology at the Institute.

### PICTURE CREDITS

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