serving and enhancing confidentiality between professionals and their clients.

Such critical matters should not be subordinated to the narrow considerations of interagency jurisdictional disputes. NSF's peer review processes may not be perfect, but they are apt to be vastly superior to the staff resources that NSA may command in judging scientific research. If NSA wishes to underwrite scientific exploration of matters related to cryptography, it would do well to confine its role to complementary funding of basic research and the commission of such proprietary applications as it may require.

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Condor Conservation

The opening paragraphs of Constance Holden's account of the controversy surrounding the death of the young condor (News and Comment, 8 Aug., p. 670) contain a few errors of fact and interpretation.

Holden refers to the condor "plying a 50,000-square mile area in the mountains of central California." This is somewhat misleading. The condor's present range comprises a 50,000-square-mile area shaped in the form of a great arc or "U" extending around the southern end of the San Joaquin Valley. Starting far up the Coast Range in Santa Cruz County, the condor range extends southward down the Coast Range almost to Los Angeles, westward across the Transverse and Tehachapi ranges, then northward up the western slope of the Sierra Nevadas into Fresno County. Within that vast area of mountains, foothills, valleys, and dry rangelands about 50 percent is already in public ownership, and less than 1 percent is closed to human entry in order to protect known condor nest sites and roosting areas. The proposed Sespe-Frazier Wilderness closure would add some additional protection to another 1 percent. The fact that approximately half of the condor range is privately owned bears obvious implications for any condor conservation program.

The condor has not been treated as an "endangered" species since 1949. This term did not come into general usage until the mid-1960's, with the passage of the Endangered Species Preservation Act of 1966. The condor received international recognition as a "threatened" species in 1949 when the International Technical Conference on the Protection of Nature included it on a list of 13 of the world's birds "in need of emergency action if they are to be saved from extinction" (*1*).

The date of the young condor's death was 30 June, not 8 June.

A Condor Recovery Plan was not "originally launched" by California in 1975. The original California Condor Recovery Plan was drafted by a team consisting of representatives of the U.S. Fish and Wildlife Service, the U.S. Forest Service, the U.S. Bureau of Land Management, the California Department of Fish and Game, and the National Audubon Society.

Topa Topa, the only California condor now in captivity, is not at the San Diego Zoo. This condor has been at the Los Angeles Zoo since 1967, which is a matter of some controversy. Many of the biologists who have reviewed the condor program have recommended that Topa Topa be transferred not to the San Diego Zoo but to the new condor breeding facility being constructed on an isolated, secure hilltop within the closed-to-the-public portion of the San Diego Wild Animal Park.

The rest of Constance Holden's article is a remarkably thorough and balanced treatment of this highly controversial issue.

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References

1. C. B. Koford, *The California Condor* (Research Report No. 4, National Audubon Society, New York, 1953), p. 136.

Lunar Topography: Galileo's Drawings

I will not respond to Feyerabend's unsupported statements of opinion about the quality of Galileo's lunar observations (Letters, 1 Aug., p. 544) with a point-by-point refutation, since the facts, as given partially in my previous letter (2 May, p. 446) and more fully in my original paper (*1*), speak for themselves. Suffice it to add that Galileo's verbal descriptions of lunar surface topography are remarkably accurate and graphical, once the features being described have been determined; his drawings are at least as good as one might expect from a nonartistic person (which he admits) using an unmounted, 20-power, poor-quality, narrow-field, dim-imaged telescope in cold midwinter with a flickering candle for illumination. Although size reduction and further reproduction will undoubtedly cause loss of some of the finer points of correspondence at the terminators, I append without comment two of Galileo's less often seen but typical sketches together with photographs taken at similar phases for comparison.

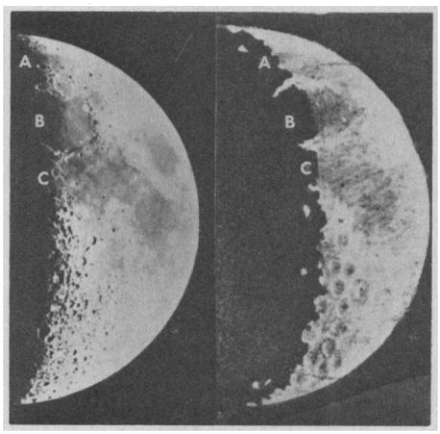

Fig. 1. Galileo's original sketch (right), deduced to have been made at about 5 p.m. Padua time on 2 December 1609, with photo (left) for comparison.

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References

1. E. A. Whitaker, *J. Hist. Astron.* **9**, 155 (1978).

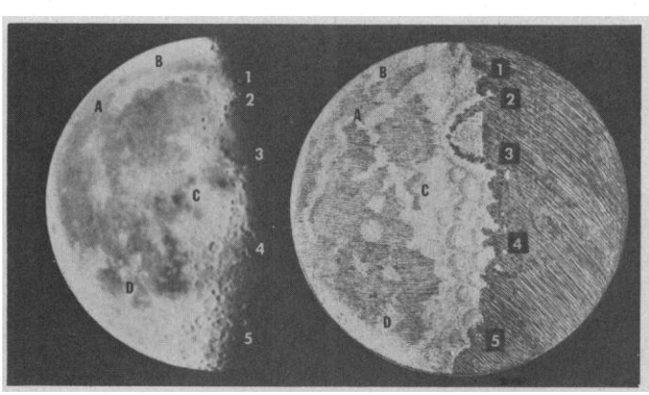

Fig. 2. Engraved version of Galileo's sketch (right), deduced to have been made about 5 a.m. on 17 December 1609, with photo (left) for comparison. Galileo naturally paid greater attention to the terminator because of the topography revealed there; this is reflected in the greater accuracy there compared with the remainder of the disk.