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Cover: False-color image from a meteorological satellite shows drought-stricken regions in Africa last August. Tan and brown areas contain almost no vegetation; red and purple depict well-vegetated zones. Through the use of such satellite and computer technology, scientists are scouting for clues to the cause and persistence of Africa's 17-year dry spell. (Photos: Advanced Very High Resolution Radiometer/NOAA; World Bank/Yosef Hadar)



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Letters

Pass the alga seltzer?

Re "Diet for a Blue Planet" (SN: 4/6/85, p. 220) would like to report the following on the gastronomical consumption of algae.

Some 20 years ago, it had been suggested that algae would be ideal for food in space projects, besides the fact of their ability to create O2 from CO2. It was not long before reports were coming in of rather severe disturbances such as abdominal cramps, diarrhea and bloating occurring in humans within three to four days. Further research by the undersigned revealed that a certain variety of algae, under conditions of radiation, might cause mutations that instead of excreting O2 might produce deadly CO.

It so happens that Anacystis nidulans algae notoriously do just that. (We have a rough analogy of the beneficial and lethal types in the mushroom family.) Fortunately, since those early years the cultivation of algae in reference

to space flight has apparently been dropped. Science marches on.

Constantine Generales New York, N.Y.

Asbestos from autos

In "Asbestos in babies" (SN: 3/9/85, p. 153) you report findings suggesting insulation or gaskets as possible sources of asbestos in deposits within lungs of infants. The article continues with information that autopsies on most adults have shown pulmonary asbestos deposits, with no suggestion of their origin.

I would be very surprised if this seems to be a mystery, especially to anyone familiar with the composition of automobile brake and clutch linings, in which well over hundreds of thousands of pounds of asbestos are daily being ground to a fine dust for dissemination into the

air. I am curious to know whether this has been previously studied for its effects on some lung disorders. It is certainly a greater source than gaskets, which are normally pressure sealed between solid metallic or plastic material, even in an incubator.

Willard G. Kanagy Lafayette, La.

Africa's crisis: Ascribing blame

In your Letters section (SN: 3/30/85, p. 195) Joseph Busey ascribes much of the drought in Ethiopia to "centralized, Marxist/socialist regimes," while William Holmes charges it to the collectivization of farming, aggravated by the import of free food.

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