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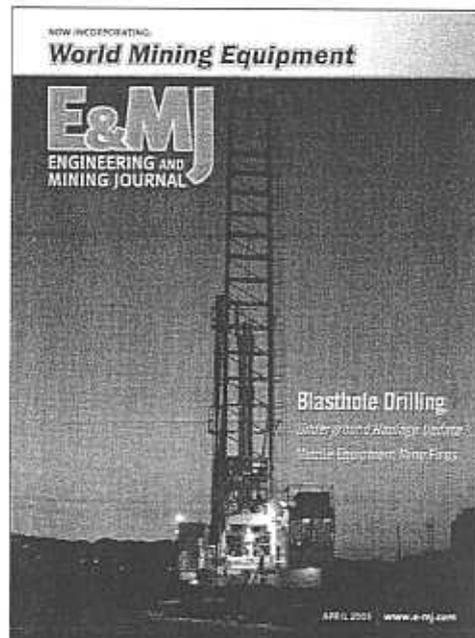
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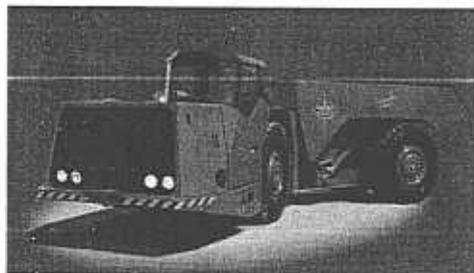


Blasthole drilling at the Titania A/S mine in Hauge-i-Dalane, Norway. Photo courtesy of Mike Kimmler, Bucyrus International.

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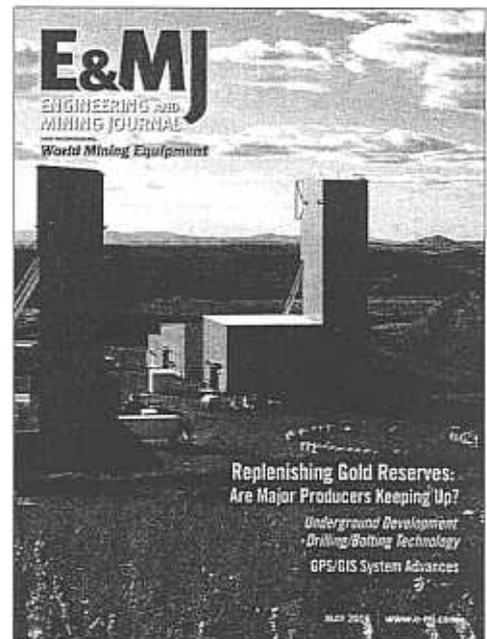
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This month E&MJ reports on the challenges that leading gold producers face for replenishing reserves. After mining on the Carlin Trend for more than 40 years, Newmont reports that its reserves in Nevada amount to an all-time high. The cover shot is Newmont's new Leeville mine in Nevada. An exploration discovery in the Carlin Trend, the new mine will begin producing at the end of the year.

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Cover photos and image by Guy Lawrence for ENR, inspired by Rene Magritte; photo right by Tom Sawyer for ENR



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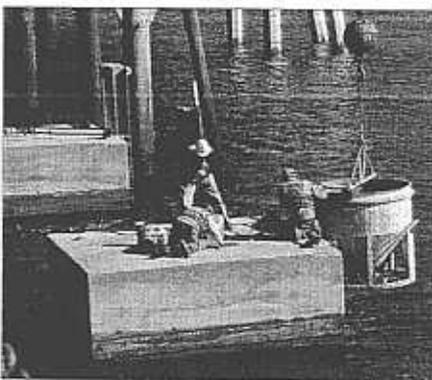
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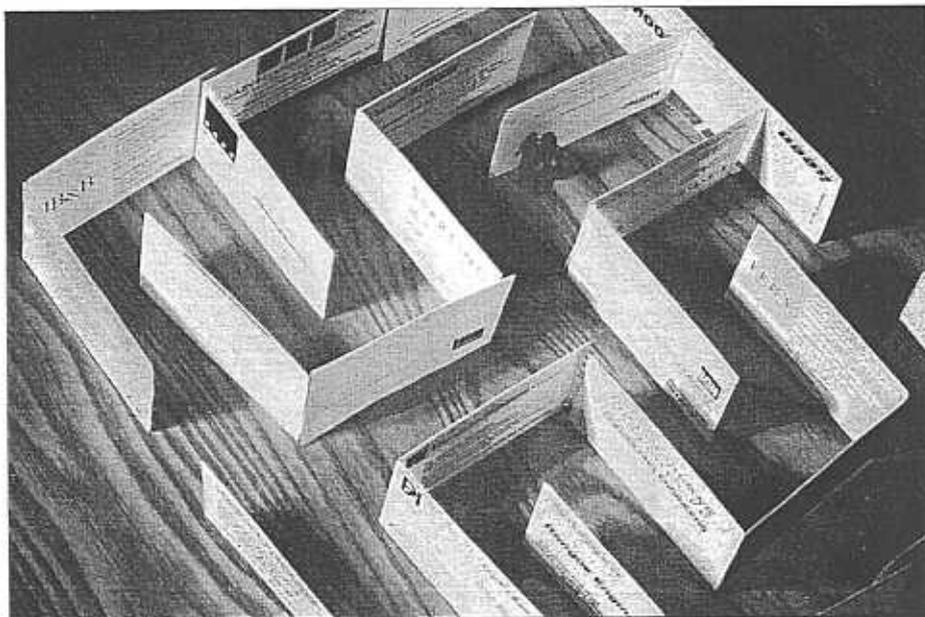
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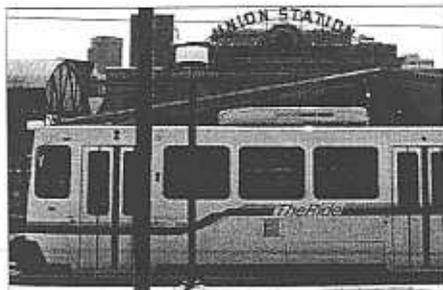
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Cover photo and photo at left by Guy Lawrence for ENR of a relief sculpture at the AFL-CIO building in Washington D.C.

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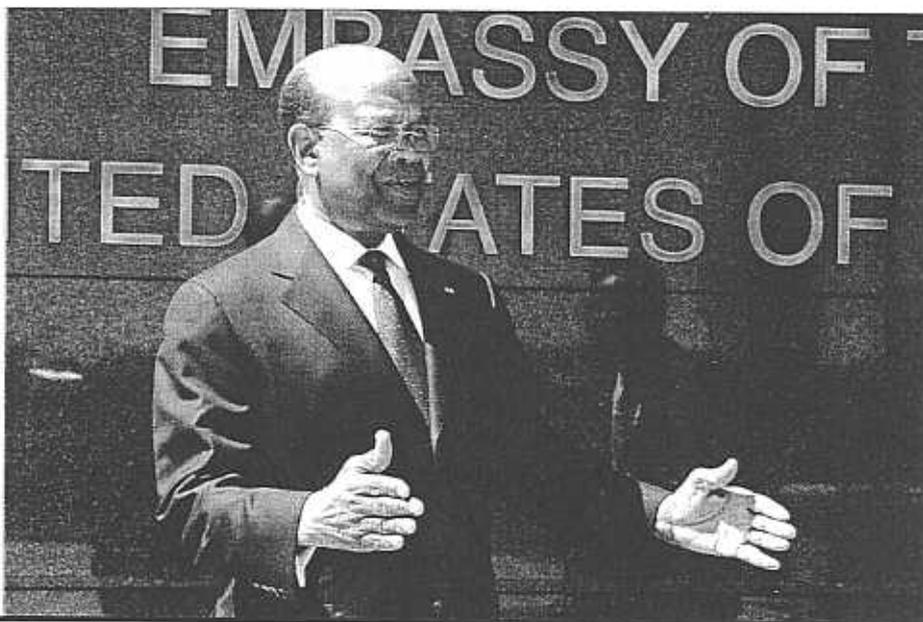
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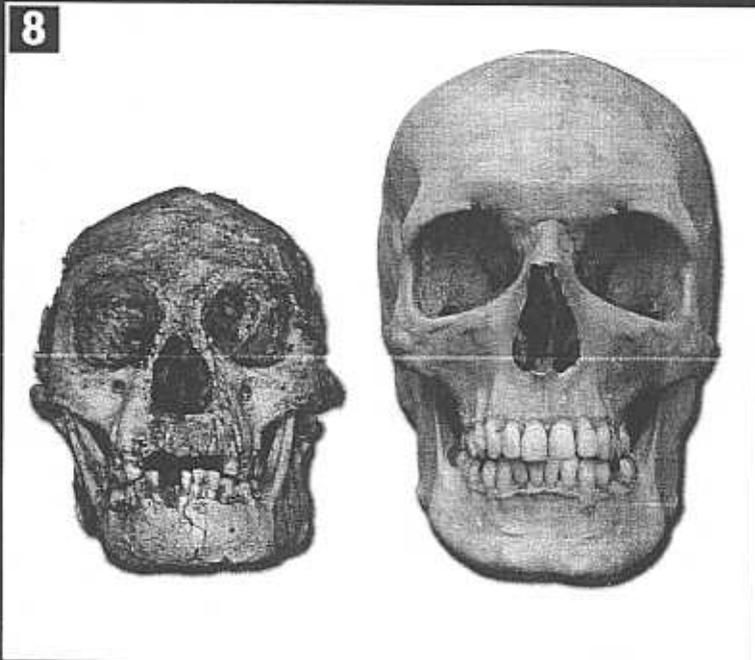
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Four mosquito species can infect people with malaria, a disease that causes intense fevers and chills, among other symptoms. Scientists are using advanced models and maps of the disease's transmission to help prevent the spread of malaria, which kills 1 to 2 million people each year, with more than 90 percent of these deaths occurring in sub-Saharan Africa. Read the story on page 18. Photo is courtesy of WHO/IDR/Scanners.

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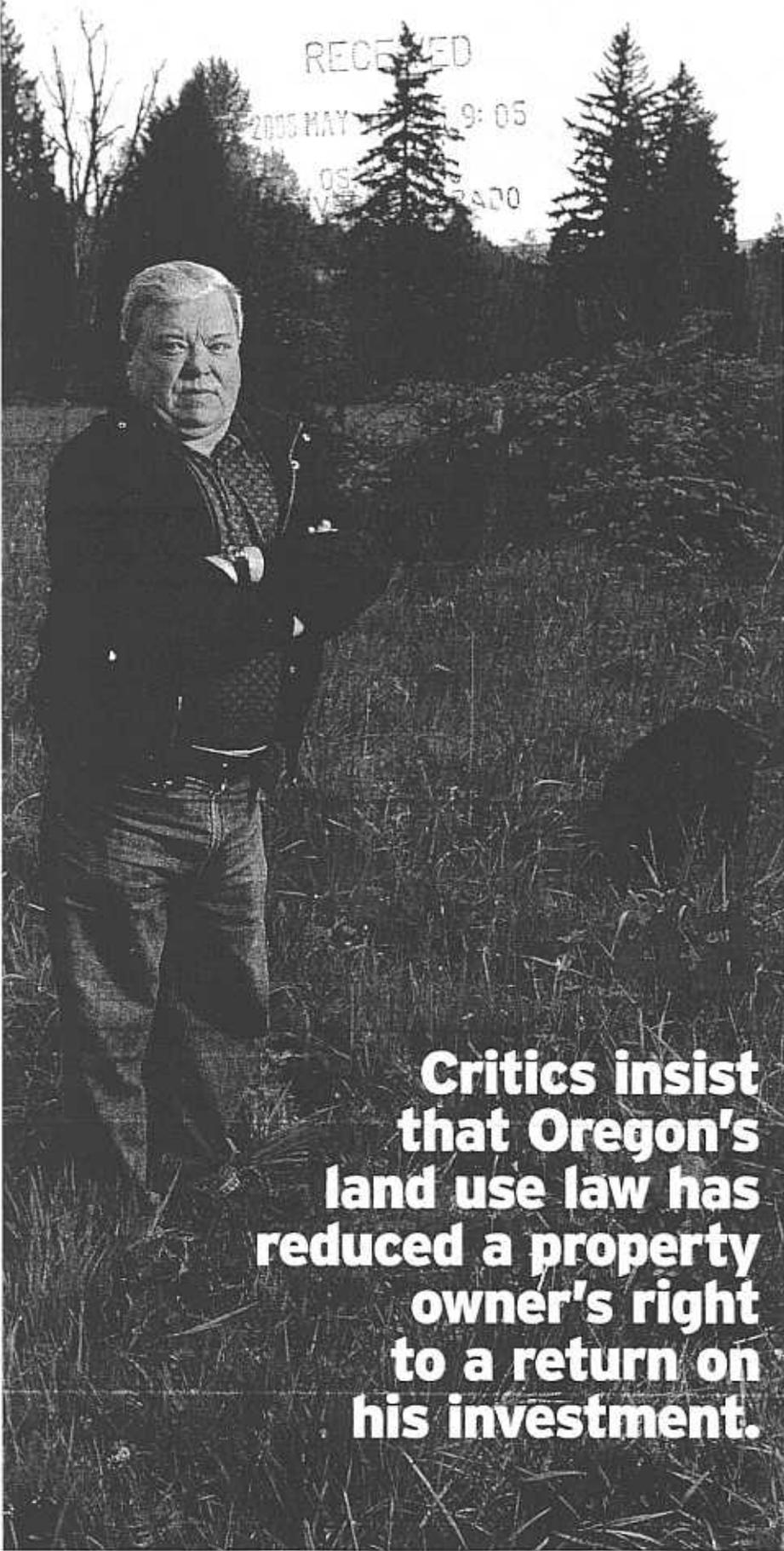
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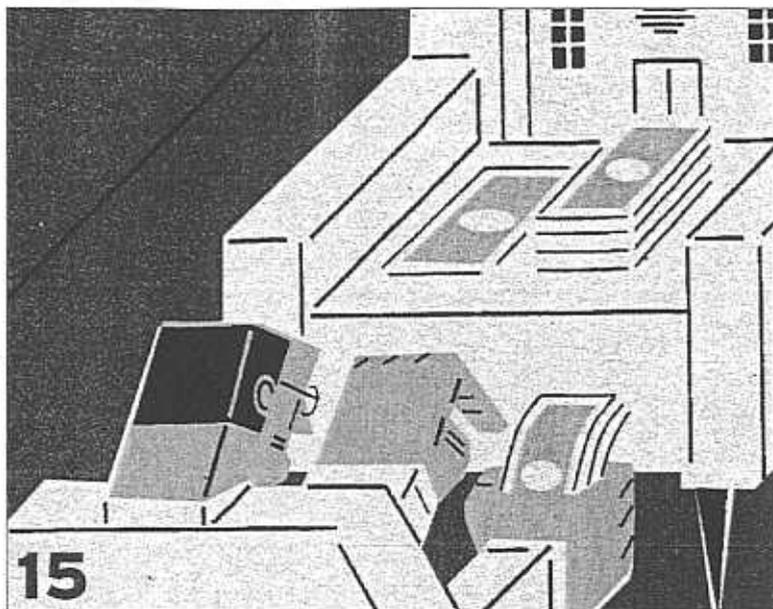
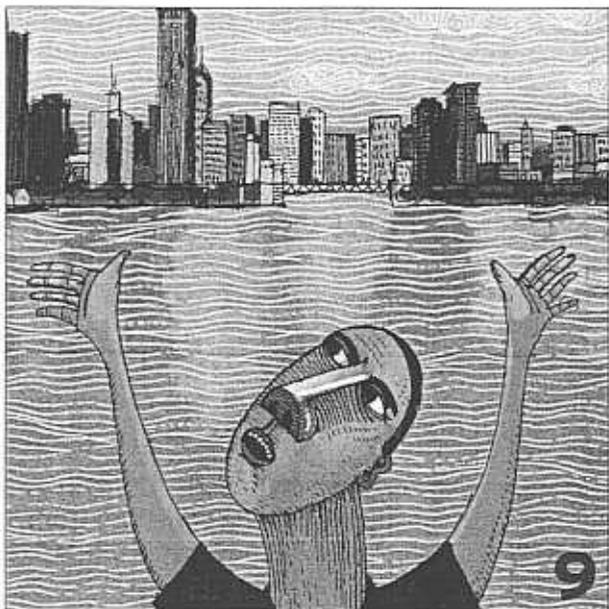
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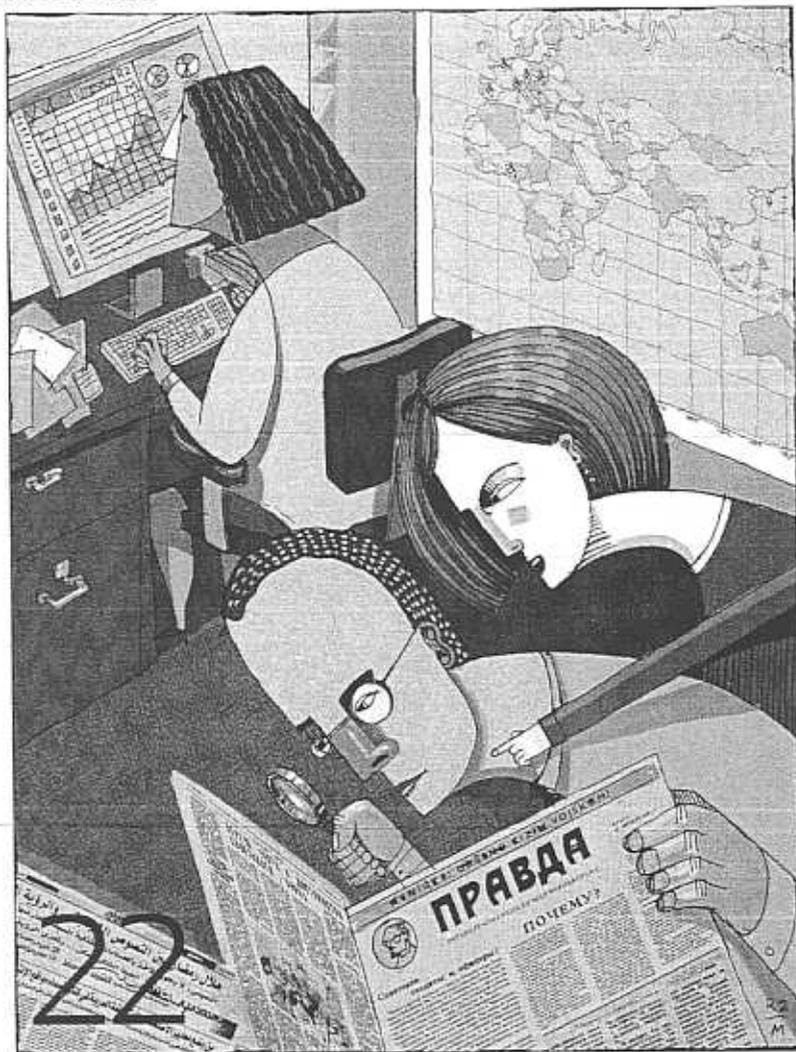
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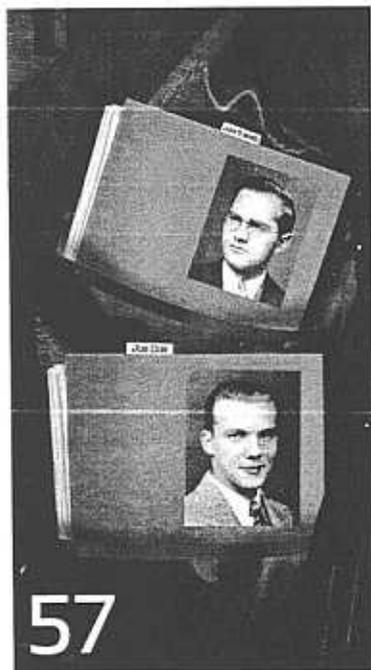
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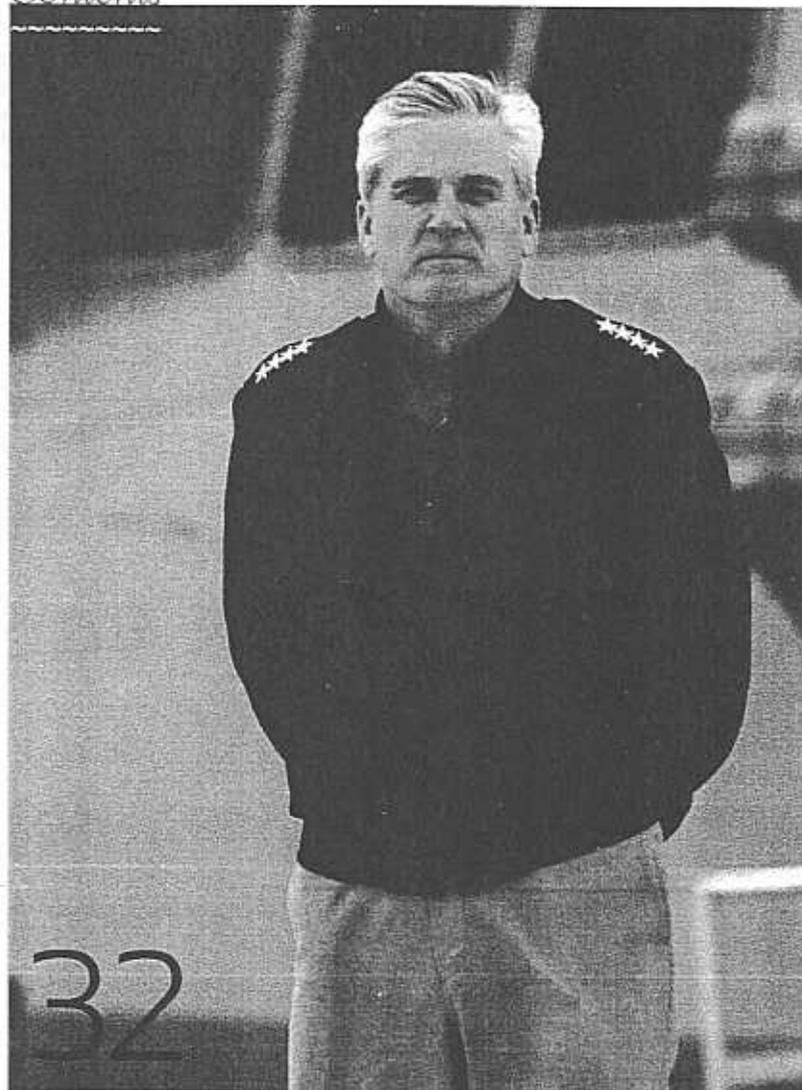
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NATURAL RESOURCES & ENVIRONMENT

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This issue's cover: The Bw horizon of a Fluvaquent Dystrudept is refuge for a native species of earthworm (*Diplocardia longiseta* Murchie, 1963) when soil moisture declines in summer. Earthworms migrate downward in this East Texas forest soil and eventually enter a state of quiescence in a tight irregular coiled ball. During this migration, earthworms incorporate organic matter into lower soil horizons by cast production and influence soil structure by macropore and aggregate formation. The image relates to the paper "Earthworm Populations in Upland Mixed Pine-Hardwood and Bottomland Hardwood Forest Soils in East Texas" presented at the SSSA 2004 Annual Meeting by George Damoff (gdamoff@sfasu.edu) and Kenneth W. Farrish. The paper was presented to Division S-7 Forest & Range Soils. (Photo by George A. Damoff and Kenneth W. Farrish, Arthur Temple College of Forestry and Agriculture, Stephen F. Austin State University.)

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Great Plains resources, he nonetheless laments, "The public is more than willing to lose money raising wild bison . . . and we should be willing to consider resolving this paradox: *Bison bison* is the only wild animal in the United States that is not allowed to live as a wild animal . . . anywhere in its original range." Lest someone charge him with one-sidedness in his fascination with bison and his advocacy of their protection and restoration, he defuses with, "At bottom, wildlife management in our society uses biological knowledge to implement individual values as they are expressed through our political system. I *am* an expert on my own values, and I don't hesitate to advocate them." This is a clear enough statement on advocacy yet leaves the political implementation open to public debate.

Public debate occurred in the late 1800s and herds declined from millions of individu-

als to tens. Advocates for and against bison were vocal then. The Great Slaughter "choice" was taken then and the gene pool was bottlenecked severely. This narrowing has shaped the possibilities of what we can hope to accomplish with bison conservation now. Attitudes must be plumbed and a reasonable solution or solutions to the issues addressed soon. This book will serve well to popularize at least some of the possibilities. It should also be a model as each of us addresses our own advocacy issues in the conservation or eradication of our favorite plants, bugs, birds, and bacteria. You gotta read this book.

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