

## CONTENTS

## Features

380

**Viewpoint: Wetlands and their values**

Eugene P. Odum poses the question: Should wetlands be considered a part of the nation's water resources or its real estate?

381

**EPIC: A new method for assessing erosion's effect on soil productivity**

J. R. Williams, K. G. Renard, and P. T. Dyke describe a mathematical model that will provide new information for conservation planning

384

**COSTS: Selecting cost-effective soil conservation practices**

Daryll D. Raitt explains a computer model that relates costs of conservation practices and rates of soil erosion

387

**SOILEC: Simulating the economics of soil conservation**

Bartelt Eleveld, Gary V. Johnson, and Robert G. Dumsday present a model for analyzing soil conservation economics

390

**Harvest trees, reap water**

James O. Evans and James H. Patric review the practice of cutting timber in forested watersheds to increase water yield

393

**Coon Creek watershed: Cradle of conservation**

Douglas Sorenson recalls events surrounding development of the nation's first conservation demonstration project

396

**Planning the use of soils on drumlins**

G. Richard Whittecar delves into the geological processes responsible for a complex land form

401

**Analyzing recreational conflict**

Richard L. Bury, Stephen M. Holland, and Douglas N. McEwen present a system for helping natural resource managers detect conflict situations in outdoor recreation

404

**Soil conservation in Lebanon**

John Ryan reports on the struggle to sustain conservation efforts in a nation beset by civil strife

407

**Progress in the U.S. soil survey**

J. Clatie Powell looks at improvements in the description, mapping, and interpretation of soils

411

**Regeneration of pine forests in the South**

H. F. Kaiser and J. P. Royer evaluate why southern landowners fail to maintain pine forests

413

**Commentary: Ground truth**

Ken Cook explores some of the implications of SCSA's 1983 annual meeting theme for current conservation issues

## Departments

378

**Pen points**

416

**In the news**

422

**Upcoming**

423

**Books, etc.**

## Research reports

425

**Soil erosion from five soybean tillage systems**

C. H. Shelton, F. D. Tompkins, and D. D. Tyler

428

**Adopter characteristics and adoption patterns of minimum tillage: Implications for soil conservation programs**

Peter F. Korsching, Curtis W. Stofferahn, Peter J. Nowak, and Donald J. Wagener

431

**Living mulch for no-till corn and soybeans**

Donald Elkins, Duane Frederking, Reza Marashi, and Byron McVay

434

**Dugouts in eastern South Dakota: Their location in relation to basin wetlands and streams**

Kelly B. McPhillips, Lester D. Flake, W. Alan Wentz, and Raymond L. Linder

436

**Direct seeding into bluegrass sod for erosion control**

L. F. Elliot and R. I. Papendick

**Cover:** A computer chart of alternative conservation practices, superimposed on an eroded field, symbolizes the role of computer models in creating cost-effective conservation programs (pp. 381, 384, 387). SCS photo by Lynn Betts.