

CONTENTS**Features**

85

Viewpoint: Land use planning myths

Kevin Kasowski takes a hard look at some myths about land use planning principles

86

Meet Chief Richards

New Soil Conservation Service chief William Richards answers questions about how he will approach the challenges of his job

89

Protecting Iowa's common wealth: Challenges for the Leopold Center for Sustainable Agriculture

Charles Benbrook reflects on the scientific, social, and political challenges facing sustainable agriculture programs

96

Future water issues: Confrontation or compromise

Scott M. Matheson analyzes trends that will dominate water policy in the West in the next few decades

100

Taking advantage of stormwater control basins in urban landscapes

Bruce K. Ferguson describes how properly planned and designed stormwater control basins can enhance urban landscapes

104

Evolution in use and development of the wind erosion equation

M. Scott Argabright reviews the limitations and planned improvements in wind erosion prediction technology

106

A wind erosion prediction system to meet user needs

L. J. Hagen presents an overview of the new wind erosion prediction system (WEPS) and wind erosion research model (WERM)

112

Soil properties affecting wind erosion

Ted M. Zobeck looks at specific soil properties embodied in the new wind erosion prediction models

Commentary

119

Toward sustainable forestry worldwide

Sandra Postel and John C. Ryan contend that saving forests, whether in the tropics or the Tongass National Forest, will require fundamental reforms outside of the forestry sector

122

From reclamation to reallocation of western water

A. Dan Tarlock says that a new era in western water policy—a reallocation era—presents new challenges to the demands of municipal and industrial growth and maintenance of environmental values

Research reports

139

Crop sequences and conservation tillage to control irrigation furrow erosion and increase farmer income

D. L. Carter and R. D. Berg

143

Relationship of soil and plant characteristics to erosion and runoff on pasture and range

L. Hofmann and R. E. Ries

147

Management effects of crops and crop strip widths on crop yield and conservation of soil and moisture on a limited-resource farm

U. R. Bishnoi, H. B. Ide, and D. A. Mays

150

Nitrogen effects on soil water extraction by tall fescue in northern Appalachia

W. L. Stout, J. A. Shaffer, G. A. Jung, T. E. Staley, and R. R. Hill, Jr.

153

Runoff characteristics of sagebrush rangelands: Modeling implications

Bradford P. Wilcox, Mark S. Seyfried, Keith R. Cooley, and Clayton L. Hanson

Departments

82

The SWCS view

84

Pen points

125

In the news

134

Professional services & classifieds

135

Upcoming

136

Books, etc.

159

JSWC editorial guidelines

Cover: Indiangrass at sunrise, Marshall County, Iowa. Carl Kurtz photo.

Journal of Soil and Water Conservation (ISSN 0022-4561) is published six times a year in January, March, May, July, September, and November by the Soil and Water Conservation Society, 7515 N.E. Ankeny Road, Ankeny, Iowa 50021-9764. Second class postage paid at Ankeny, Iowa, and additional mailing offices. POSTMASTER: Send address changes to *Journal of Soil and Water Conservation*, 7515 N.E. Ankeny Road, Ankeny, Iowa 50021-9764.

Copyright © 1991 by the Soil and Water Conservation Society. SWCS assumes no responsibility for statements and opinions expressed by contributors.

Address all editorial and business correspondence to SWCS, 7515 N.E. Ankeny Road, Ankeny, Iowa 50021-9764; telephone (515) 289-2331. Subscription is by membership in SWCS or by subscription. Membership dues are \$44 a year (\$50 outside the U.S. and Canada); subscriptions are \$30 a year (\$35 outside the U.S. and Canada).