

CONTENTS
JOURNAL OF NEMATODOLOGY

Vol. 32, No. 1

March 2000

Alan Francis Bird, 1928–99	1
Letter from the Editor-in-Chief	4
Nematode Viruses	
Immunogold Localization of Tobacco Rattle Virus Particles within <i>Paratrichodorus anemones</i> . E. KARANASTASI, N. VASSILAKOS, I. M. ROBERTS, S. A. MACFARLANE, AND D. J. F. BROWN	5
Phylogenetics and Taxonomy	
Ultrastructural Variation of Cuticular Layers in Cephalobinae (Nemata: Rhabditida). D. MOUNPORT, P. BAUJARD, P. DE LEY, M. C. VAN DE VELDE, A. COOMANS, AND J. G. BALDWIN	13
A Key and Diagnostic Compendium to the Species of the Genus <i>Tylenchorhynchus</i> Cobb, 1913 (Nematoda: Belonolaimidae). Z. A. HANDOO	20
<i>Hemicycliophora hellenica</i> n. sp. (Nemata: Criconematidae) from Greece. N. VOVLAS	35
Population Dynamics	
Population Growth of <i>Pratylenchus penetrans</i> on Winter Cover Crops Grown in the Pacific Northwest. T. A. FORGE, R. E. INGHAM, D. KAUFMAN, AND J. N. PINKERTON	42
Population Dynamics of <i>Meloidogyne incognita</i> , <i>M. arenaria</i> , and Other Nematodes and Crop Yields in Rotations of Cotton, Peanut, and Wheat Under Minimum Tillage. A. W. JOHNSON, C. C. DOWLER, AND Z. A. HANDOO	52
Host-Plant Resistance	
Development of Selected Tobacco Cyst Nematode Isolates on Resistant and Susceptible Cultivars of Flue-cured Tobacco. S. L. RIDEOUT, C. S. JOHNSON, J. D. EISENBACK, AND C. A. WILKINSON	62
Biological Control and Nematode Management	
Efficacy of <i>Bacillus thuringiensis</i> , <i>Paecilomyces marquandii</i> , and <i>Streptomyces costaricanus</i> with and without Organic Amendments against <i>Meloidogyne hapla</i> Infecting Lettuce. J. CHEN, G. S. ABAWI, AND B. M. ZUCKERMAN	70
Extraction and Purification of <i>Pasteuria</i> spp. Endospores. S. Y. CHEN, J. CHARNECKI, J. F. PRESTON, AND D. W. DICKSON	78
<i>Hirsutella rhossiliensis</i> and <i>Verticillium chlamydosporium</i> as Biocontrol Agents of the Root-knot Nematode <i>Meloidogyne hapla</i> on Lettuce. NICOLE M. VIAENE AND GEORGE S. ABAWI	85
Effect of Mulch Surface Color on Root-knot of Tomato Grown in Simulated Planting Beds. B. A. FORTNUM, M. J. KASPERBAUER, AND D. R. DECOTEAU	101

(Contents continued on inside back cover)

Temperature Effects on the Transmission of <i>Bursaphelenchus xylophilus</i> (Nemata: Aphelenchoididae) by <i>Monochamus alternatus</i> (Coleoptera: Cerambycidae). SHOTA JIKUMARU AND KATSUMI TOGASHI.....	110
---	-----

Research Note

A Technique for Determining Live Second-stage Juveniles of <i>Heterodera glycines</i> . S. Y. CHEN AND D. W. DICKSON.....	117
---	-----

<i>Erratum</i> : Three New Species of Nothacrobeles (Nemata: Cephalobidae) from the Mojave Desert, California. I. T. DE LEY, P. DE LEY, J. G. BALDWIN, M. MUNDO-CAMPO, AND S. A. NADLER.....	123
--	-----

Sustaining Associates of
THE SOCIETY OF NEMATOLOGISTS

Dow AgroSciences
Indianapolis, IN

Pest Pros, Inc.
Plainfield, WI

Seminis Vegetable Seeds, Inc.
San Juan Bautista, CA

Sustaining associate members help support The Society of Nematologists (SON) through their financial assistance, knowledge, expertise, and professional involvement in the science of nematology. For information about these companies or if you would like to become a sustaining associate member, contact the chairman of the SON Industry Committee or any member of the Executive Board.

Membership in the Society of Nematologists is \$50.00 U.S. for regular U.S. members, and \$25.00 for U.S. students. For airmail delivery outside the United States, add \$15.00 for countries in the Western Hemisphere or \$30.00 for all other countries. Fifteen dollars (\$15.00) of this amount is for a one-year subscription to the JOURNAL. Payment must be with a check drawn on a U.S. bank or by Visa or MasterCard. Add \$2.00 for credit card transactions. The JOURNAL, SUPPLEMENT, and Nematology Newsletter (postage paid) are included in the membership dues for regular and student members. Emeritus members may purchase the JOURNAL at student rates. Subscription rates are \$100.00 per year (US Institutional Subscriber), \$115.00 (Non-US Institutional Subscriber), and \$140.00 (Non-US Institutional Subscriber-Airmail).

BACK ISSUES OF JOURNAL OF NEMATOLOGY

Vols. 21–29 (1989–97). Price per issue includes postage and handling. Members: \$10.00; Nonmembers: \$40.00. Please indicate volumes desired and send check or money order to the Society of Nematologists, Inc., P.O. Box 1897, Lawrence, KS 66044-8897.