Editor-in-Chief:
D. M. BENSON, North Carolina State University, Raleigh 27695-7616

Senior Editors:
T. W. CARROLL, Montana State University, Bozeman 59717
J. V. GROTH, University of Minnesota, St. Paul 55108
I. V. MAIDEN, Ohio State University, Wooster 44691
M. I. POWELSON, Oregon State University, Corvallis 97331-2902
S. G. PUENPKE, University of Missouri, Columbia 65211
E. G. RUPPEL, Colorado State University, Fort Collins 80526

Associate Editors
A. R. BIGGIS, Agriculture Canada Research Station, Vineland Station, Ontario L0R 2E0 Canada
R. M. BOSTOCK, University of California, Davis 95616
M. I. CARSON, South Dakota State University, Brookings 57007-2109
B. M. CUNFER, Georgia Experiment Station, Experiment 30212
R. F. DAVIS, USDA-ARS, Beltsville, MD 20705
T. P. Denny, University of Georgia, Athens 30602
J. DUNIWAY, University of California, Davis 95616
L. J. FRACCHIOLI, USDA-ARS, Beltsville, MD 20705
R. D. GITAITIS, Coastal Plain Experiment Station, Tifton, GA 31793
H. HANCOCK, University of California, Berkeley 94720
G. HARMAN, New York State Agricultural Experiment Station, Geneva 14456
M. HAWES, University of Arizona, Tucson 85721
C. HIRUKI, University of Alberta, Edmonton, Alberta, Canada T6G 2P5
K. B. JOHNSON, Oregon State University, Corvallis 97331

W. G. LANGENBERG, USDA/ARS, University of Nebraska, Lincoln 68583
J. F. LESLIE, Kansas State University, Manhattan 66506
S. A. LOMMEL, North Carolina State University, Raleigh 27695-7616
D. S. MARSHALL, Texas A&M University, College Station, TX 77843
J. PATAKY, University of Illinois, Urbana 61801
S. R. SHAFER, North Carolina State University, Raleigh 27695-7616
H. D. SHEW, North Carolina State University, Raleigh 27695-7616
D. A. SMITH, University of Kentucky, Lexington 40546-0091
R. A. SPOTTS, Mid-Columbia Agriculture Research and Experiment Center, Hood River, OR 97033
J. R. STAVELEY, USDA-ARS, Beltsville, MD 20705
R. J. STIPES, Virginia Polytechnic Institute and State University, Blacksburg 24061
P. W. TOOLEY, USDA-ARS, Frederick, MD 21701
J.-C. TU, Agriculture Canada, Harrow, Ontario, Canada N0R 1G0
H. WILKINSON, University of Illinois, Urbana 61801

General Publication Policies

Manuscripts may be submitted for consideration of publication in PHYTOPATHOLOGY by members of The American Phytopathological Society and by nonmembers. Membership in the Society is not a prerequisite for publication in the journal, but page charges are higher for nonmembers than for members.

Submission of manuscripts: Submit all new manuscripts to The American Phytopathological Society, Editorial Office, 3340 Pilot Knob Road, St. Paul, MN 55121. Do not submit new manuscripts to the Editor-in-Chief. Submission implies nonsubmission elsewhere and (if accepted) no publication elsewhere in the same form without consent.

Content: Contributions should fall into the following categories: 1) Original research on some aspect of plant pathology. Subject matter is not a criterion for judging the merit of an article for publication in PHYTOPATHOLOGY. It is, however, the author's duty to establish relevancy to the science of plant pathology. 2) Review papers developing a new concept, hypothesis, theory, or other integration of plant pathology. 3) Letters to the Editor: These may explain, amplify, or otherwise comment upon research published in the journal or elsewhere. Letters to the editor are reviewed in the same manner as other contributions, and the Editorial Board reserves the right to reject or to publish letters of rebuttal when appropriate. If possible, the opportunity will be provided for a letter of rebuttal to appear in the same issue as the letter to which it is directed.

Page charges: Because of the high cost of publishing articles in PHYTOPATHOLOGY, payment of page charges is mandatory. Page charges are subject to change and will not be finalized until an author receives galley proofs. Current charges are $90 per printed page for members of the Society and $155 per printed page for nonmembers. Authors who submit manuscripts satisfactorily prepared for OCR-electronic processing will receive a decrease of $25 per printed page. An author will be billed after the article is printed in the journal. A letter confirming that the author or the author's institution, company, or research sponsor will honor the page charges must accompany each manuscript submitted.

Separates: No free copies supplied. Reprints will be available at a nominal cost; an estimate will be sent with proof. Orders for reprints must be received within the year after publication of an article.

For style details, follow: Author's Guide for Manuscript Preparation, PHYTOPATHOLOGY 79:5-7, 1989. Authors are urged to have one or more colleagues read the manuscript critically prior to submission.

Use of material from this journal: PHYTOPATHOLOGY is copyrighted, and those who wish to use illustrations or data appearing in PHYTOPATHOLOGY in other publications should obtain the permission from The American Phytopathological Society and the author of the paper and provide a line crediting PHYTOPATHOLOGY as the source of the material.

Authorization to photocopy copyrighted material for internal or personal use, or the internal or personal use of specific clients, is granted by The American Phytopathological Society for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of $3.00 per copy of an article is paid directly to CCC, 21 Congress St., Salem, MA 01970. 0031-949X/89 $3.00 + .00

PHYTOPATHOLOGY for August (819-912) was issued 17 August 1989.