The Journal of Nuclear Medicine
INFORMATION FOR AUTHORS

Editorial Policy. The Journal of Nuclear Medicine publishes several types of original articles: full length articles, concise communications, preliminary notes, case reports, technical notes, letters to the editor, editorials, and solicited articles of general medical interest. It is understood that manuscripts submitted for consideration are original, including illustrations and tables, and that the material submitted is not under consideration by another publication.

Copyright. In compliance with the copyright Act of 1976, effective January 1, 1978, the following written statement must accompany all submissions to be considered for publication. "Upon acceptance by the Journal of Nuclear Medicine all copyright ownership of the article (complete title of the article in this space), is transferred to the Society of Nuclear Medicine. On behalf of any and all coauthors I accept the responsibility for release of any part or all of the material contained within the article noted above. The undersigned stipulates that the material submitted to the Journal of Nuclear Medicine is original and has not been submitted to another publication for concurrent consideration." Copyright requirement does not apply to work prepared by United States government employees(s) as part of their official duties.

Review Procedure. Submitted manuscripts are reviewed for content on the basis of originality, significance, adequacy of documentation, reader interest, and composition. All manuscripts are reviewed by two referees and the editorial staff. All accepted manuscripts are subject to editorial revisions for scientific accuracy and for clarity in the office of the editor.

Manuscript Format—General Information—An original and two copies of the manuscript with two sets of unmounted illustrations (glossies, preferably 5" x 7") should be sent with a transmittal letter to the Editor.

1. Every typewritten page must be double-spaced, including title page, abstract, text, references, legends, acknowledgments, and footnotes.
2. There should be a 2-in. margin on all sides of typewritten pages.
3. Reference numbers should be underlined and in parentheses in the text.
4. Paragraphs should begin with an indentation of at least five spaces.
5. All pages should be numbered at the top right-hand side without names of the author(s) or title of the article.
6. Handwritten changes are not acceptable.
7. Papers must be written in English.
8. References in the text should not be made to institutions or locales except when mention of the institution, locale, or facility is germane to that particular article.
9. Generic names should be used. Manufacturers of instruments or radiopharmaceuticals should not be named in the manuscript unless their inclusion is absolutely essential to the content. When necessary, however, manufacturers should be identified by footnotes. Consecutive order of footnote symbols is: *†‡∥.

Title Page. The title should be as short as possible, with a maximum of 72 characters, including spaces. The first names and degree of all authors, the name and address of the department and institution where the work was done, sources of support (if applicable), and name and address of author responsible for correspondence and reprints should be included on the title page.

Abstract. Abstracts must be limited to 150 words or less, typed on a separate page. Three key words should be sent with proofs for indexing.

References. References must be typed double space on a separate sheet and numbered consecutively as they appear in the text. References included in a table or illustration are also numbered sequentially with those in the text. The Journal uses the Index Medicus style for references. When more than three authors are listed, the additional authors are listed as "et al." Journal names are abbreviated according to the List of Journals Indexed in Index Medicus.

Sample references are:

Numbered references to personal communications, unpublished data, manuscripts in preparation, or manuscripts submitted for publication are not acceptable.

Tables. A table is a condensation of related data or facts arranged in columns. Tables should be self-explanatory and should supplement, not duplicate, the text. Each table must be referred to in numerical order in the text. Each table must be typed on a separate sheet of paper; tables should be numbered consecutively with Arabic numerals and have titles centered in capital letters. They are placed after the references in the manuscripts. The titles should be descriptive and as brief as possible. (Explanatory material should be included in footnotes or the text.) Place horizontal lines above the title, under the title, under column headings, and at the end of the table. Omit all vertical rules.

Illustrations. Since imaging is one of the major aspects of nuclear medicine, the selection of high-quality illustrations is of paramount importance. Arrows, lettering, and numbers added to figures must be of professional quality. Original line graphs are preferred for optimal reproduction. Figures of inferior quality or damaged figures as well as those poorly designed or badly lettered will be returned to the author for correction, replacement, or deletion, if indicated. A legend page with descriptive paragraphs for each figure, typed in numerical order with the abbreviation "FIG." preceding each arabic number must be included. Every figure should be identified clearly in the text in numerical order. If the manuscript includes illustrations that have been published previously, permission to reproduce them must be obtained by the author from both the original author and from the original publisher and sent to The Journal of Nuclear Medicine. In the submitted manuscript the original publication must be cited in the references, and the following must appear in the figure legend: (reprinted by permission of Ref. X).

Units and Abbreviations. Nomenclature, units, and abbreviations should conform to IUPAC recommendations and Systems International (SI). Chemical formulae follow the recommendations of the American Chemical Society.

Manuscripts should be submitted to: Frank H. DeLand, M.D., Editor, The Journal of Nuclear Medicine, University of Kentucky Medical Center, Medical Annex #5, Lexington, KY 40506.
AUTHOR INDEX

Abbott, M, P58
Abdel-Dayem, HM, P29
Abrams, MJ, P16
Abreo, K, P72
Ackerman, RH, P74, P83
Ackermann, R, P36, P96
Acker, MG, P68
Adams, TH, P8
Adolph, RJ, P12, P87
Agress, H, Jr, P26
Alaizzi, L, P71
Alkten, T, P8
Alber, SP, P49
Alkhar, MW, P72
Akmal, M, P72
Alavi, A, P13, P19, P38, P42, P81, P83
Alaizki, NP, P20, P65
Albers, J, P38
Alderson, PO, P41, P42, P48, P50, P57, P58, P66, P71, P77, P86
Allan, RM, P100
Allen, R, P34
Allhands, RV, P11
Almasi, J, P24, P71, P80
Alperovich, A, P86
Alpert, BS, P80
Alpert, NM, P47, P74, P83, P87
Al-Sadir, J, P69
Al-Sheikh, W, P29, P54, P60, P65, P93
Alveya, K, P32
Amaral, H, P48
Amor, M, P5
Amorim, MS, P11
Anagnostopoulos, C, P49
Anderson, J, P95
Anderson, KW, P106
Andersen, S, P61
Ando, A, P100
Ando, I, P100
Angelberger, P, P34, P35
Ansari, J, P101
Antico, VF, P6
Apitz, JI, P16
Appelgren, CR, P74
Areeda, J, P16, P18, P24, P92
Armspach, JP, P92
Arnett, CD, P103, P108
Asghar, S, P72
Ash, JM, P7
Ashtkar, FS, P16, P34, P60
Assimos, D, P106
Atkins, HL, P91, P102
Atlan, H, P111
Aubry, J, P8

Bacharach, SL, P56, P66, P67, P81
Bachman, K, P92
Badia, J, P73
Bailey, RA, P38
Bailly, P, P25
Baker, RP, P5, P6
Baker, WJ, P65
Baldisswibler, JD, P103
Ballfour, I, P80
Barat, JL, P84
Barben, S, P61
Bartub, M, P61, P109
Bardy, A, P8
Barnes, JW, P102
Bazdervatia, YK, P29
Barrio, JR, P6, P12, P46, P69, P79, P107, P108, P110
Bartholomew, RM, P8
Bathmug, T, P18, P32, P79
Baughman, RP, P49
Bauhlee, F, P73
Bauhlee, JL, P73

Baumgartner, F3, P107
Bautovich, G3, P61
Beal, W, P78
Beck, RN, P45
Becker, DV, P43
Becker, L, P85
Becker, V, P13
Beierwaltes, WH, P9, P34, P44, P46, P102
Beigholt, RW, P65
Bein, RM, P110
Belfer, B, P64, P95
Beller, GA, P18, P62
Belman, AB, P14
Bellonga, RO, P12
Benjamin, D, P53
Benjamin, S, P51
Bennett, HH, P39
Bennett, LR, P49, P110
Bennett, S3, P8
Benoit, C, P86
Bentley, GE, P102
Benua, RS, P8, P85
Berenis, SC, P79
Berg, W, P87
Berg, HJ, P40, P41, P47, P48, P87
Berman, D5, P4, P5, P16, P18, P19, P24, P32, P43, P79, P81, P82, P90, P92, P98
Bertrand, A, P5
Bertrand, J, P73
Besozzi, MC, P9
Bett, R, P31
Beyda, D, P7
Bida, GT, P107
Biello, DR, P42, P62
Biersack, H3, P34
Bigler, RE, P68
Bijvoet, OLM, P77
Bikoff, D3, P26
Bilfinger, TV, P49, P79
Birnberg, F, P20
Bischoff, P, P17, P110
Bizaia, Y, P94
Blau, M, P22, P105
Blaufox, MD, P42, P57, P59
Bledin, AG, P19
Block, PC, P4
Bobba, VR, P28, P68
Bock, G, P90
Bogden, AE, P9
Bok, B, P24, P46, P61, P68, P109
Bonow, RO, P36, P66, P67
Bonte, FJ, P56, P57, P86, P96
Bosken, CH, P49
Bosyut, A, P67
Botero-Uribé, MA, P98
Böttger, I, P44, P97
Bottomley, PA, P38
Botvinick, E, P62, P63
Boucher, CA, P4, P19, P47
Bouwen, RD, P64
Bowers, RP, P49
Brachman, MB, P19, P43, P75, P90, P98
Bradley, EW, P86
Bradley-Moore, PR, P111
Branch, R, P63
Braunstein, G, P43
Brent, B, P38
Breznock, EM, P11
Briandet, PA, P61, P84
Brill, AB, P8, P45, P57, P78, P102
Brodack, JW, P16
Brody, S, P27, P89
Brösch, C, P16, P73
Brooker, HR, P39

Brooks, RA, P6, P14, P59, P83, P92, P95
Brophy, C, P20
Brown, BL, P40
Brown, D, P18, P24, P98
Brown, F, P20
Brown, GK, P85
Brown, J, P52
Brown, LE, P9, P46, P102
Brown, ML, P65, P75, P80
Brown, PH, P68
Brownell, GL, P9, P83, P87
Brundage, B, P62
Bryan, RN, P38
Bryk, D, P75
Bryk, E, P75
Buclewicz, W, P87
Buchbinder, N, P5
Buck, D, P64
Buckley, MJ, P4
Buddoura, W, P31
Budzynski, A2, P99
Bueschen, AJ, P110
Buja, LM, P24
Buncher, CR, P85
Bunker, SR, P52
Bunko, H, P27
Bunting, RW, P37, P76
Buonanno, P, P79
Bura, R, P23
Burdine, JA, P24, P60, P66, P71
Burnett, A, P16
Burnett, DG, P3, P14
Burns, HD, P13, P22, P60, P100, P106
Burt, RW, P27, P50
Bushberg, J, P103
Butler, CW, P94
Butler, TA, P78
Byrd, BL, P101
Byrd, W, P47
Byrom, E, P75
Byun, KJC, P42
Cahill, PT, P63, P71
Callahan, AP, P10, P104
Callahan, RJ, P37, P56, P109
Callow, A, P102
Camargro, EE, P7, P40, P42, P51, P58, P81, P83, P94, P95
Camim, LL, P12, P78
Campbell, JL, P24
Cannisi, J, P62, P63
Cannon, PJ, P33, P41
Cano, RA, P111
Cao, A, P59
Caplin, J, P71
Carabello, B, P70
Caride, VJ, P51
Carlson, KE, P105
Carlton, JE, P37
Carpenter, R, P90
Carrasquillo, JA, P44
Carretta, R, P49
Carson, RE, P6, P33, P69, P96
Carter, RD, P19, P97
Cascio, HE, P59
Cassagnes, G, P25
Castelli, DO, P51
Cattran, D, P72
Cavallofielos, F, P24, P86
Cavanaugh, DJ, P99
Chacko, JK, P16
Chafetz, N, P29
Chagoon, MD
Chambron, J, P92
Chan, D, P94
Chan, W, P32, P55, P70
Welch, M3, P22, P23, P103, P107
Wells, SA, P20
Wendt, RE, III, P66
Wexler, JP, P37
Wheat, L3, P50
Whitney, WP, P17
Wicks, R, P22
Wieland, B, P46
Wieland, DW, P107
Wieland, DM, P9, P46, P102
Wiener, SN, P59, P93
Wilbur, DS, P104, P106
Wilczak, D, P90
Wilk, P1, P73
Wilcott, MR, III, P38
Willerson, JT, P29
Williams, DL, P44
Williams, ED, P51
Williams, J, P40
Williams, LE, P103
Williamson, MR, P73
Willis, HH, P71
Wilson, GA, P41
Wilson, J, P76
Wilson, JE, III, P26
Wilson, MA, P8
Wilson, RA, P19, P47
Winchenbach, K, P51
Winkler, C, P10, P34
Witherspoon, L, P32, P54, P60
Wittmer, SL, P107
Witzum, KF, P64
Wolf, AP, P6, P8, P13, P46, P103, P107, P108
Wolf, W, P17, P37
Wolf, M, P66
Wolkow, PD, P107
Wolmer, P, P100
Wong, DF, P42, P62, P83, P95
Wong, E, P31
Wong, WS, P43
Woronowicz, EM, P52, P53, P84
Wu, JL, P106
Wynne, J, P41
Yamamoto, K, P23, P36, P45, P53, P83, P85, P92
Yamaura, A, P96
Yamasaki, T, P96
Yamazaki, T, P23
Yang, P, P51
Yasuda, T, P4
Yeates, DB, P31
Yee, WJ, P99, P95
Yeh, SDJ, P8, P88
Yeh, SH, P31, P35
Yeung, HN, P39
Yiannikas, J, P23, P55, P80
Yokoyama, A, P92
Yonekura, Y, P8, P25, P45, P53, P57, P83, P91
Yoshida, C, P27
Young, GW, P37
Yu, WK, P31
Zaret, BL, P41, P47, P48, P80, P87
Zeiger, HE, P5, P6
Zemyan, SE, P106
Zhou, Y-G, P103
Zieloraka, J5, P47
Zillereulo, G, P98
Zimmer, AM, P103, P106
Zimmerman, RE, P69
Zusmer, NR, P111
Zwehl, W, P16
American Board of Science in Nuclear Medicine

June 14, 1982

Miami Beach, Florida

The American Board of Science in Nuclear Medicine examination will be held June 14, 1982 in Miami Beach, FL, in conjunction with the 29th Annual Meeting of the Society of Nuclear Medicine.

Specialty areas will include:

- Nuclear Medicine Physics and Instrumentation
- Radiopharmaceutical and Radiochemistry Science
- Radiation Protection
- Nuclear Medicine Computer Science
- Nuclear Medicine Laboratory Science.

For further information contact:

Eugene Vinciguerra, Secretary
American Board of Science in Nuclear Medicine
145 W. 58th St., New York, NY 10019
Tel: (212)757-0520

29th Annual Meeting
Placement Service

The Society of Nuclear Medicine will once again provide a Placement Service for attendees to its 29th Annual Meeting. The Placement Service is now accepting applications from employers and job seekers. Applications for the following positions will be accepted: nuclear medicine physicians, technologists, scientists, and commercial. Applications from employers with openings in these areas will also be accepted.

The SNM Placement Service is designed to bring prospective employers and employees together on a one-to-one basis through personal interviews. It does not enter into employment negotiations, leaving all such matters to employers and employees. It is expected that all employers using the SNM Placement Service will be equal opportunity employers and wish to review applications from qualified persons regardless of their age, national origin, religion, sex, or handicap.

The SNM Placement Service is open to members for $5.00, to nonmembers for $15.00, and employers for $25.00. As a special bonus, job applicants and employers may sign up for the Annual Meeting Placement Service and the SNM Referral Service (our year-round operation) at the same time and pay only the Referral Service fee, that being $5.00 for members, $50.00 for nonmembers, and $50.00 for employers. You will then be listed with us for a period of six (6) months. For more information and application forms for both the Annual Meeting Placement Service and the SNM Referral Service, stop into the Placement Service office, Room 201 of the Miami Beach Convention Center, June 15-18, 1982, or in advance of the meeting write to:

Placement Service
Society of Nuclear Medicine
475 Park Avenue South
New York, NY 10016

SNM Trophy Tennis Tournament
at the
29th Annual Meeting

Fontainebleau Hilton Hotel
Miami Beach, Florida

Mixed Doubles; Men's and Women's Doubles

For information contact:

Justine J. Parker
P.O. Box 40279
San Francisco, CA 94140
Tel: (415)647-0722, 647-1668, or 647-5909.

Confirmations will be mailed with tournament fees, court times, and schedules.
INDEX TO ADVERTISERS

ADAC LABORATORIES
Sunnyvale, CA ........................................... 28A, 29A

ADC MEDICAL
Farmingdale, NY ........................................... 71A

AMERSHAM CORPORATION
Arlington Hts, IL ........................................... 20A

ATOMIC PRODUCTS
Center Moriches, NY ....................................... 33A

BAIRD CORPORATION
Bedford, MA ................................................. 17A

CALCORP
Cleveland, OH ............................................... 39A

CANBERRA
Meriden, CT .................................................. 47A

CAPINTEC, INC.
Montvale, NJ .................................................. 61A

CLINICAL ASSAYS
Cambridge, MA ................................................ 43A

CYCLOTRON CORPORATION
Berkeley, CA .................................................. 34A

DIAGNOSTIC RESOURCES, INC.
North Boston, NY ............................................ 53A

DIGITAL EQUIPMENT CORP.
Marlborough, MA ............................................. 4A

DIGITAL SYSTEMS & APPLICATIONS
Toronto, Ontario, Canada ................................. 10A

EASTMAN KODAK
Rochester, NY ................................................. 41A

EDC/MEDICAL IMAGING
Lowell, MA .................................................... 40A

ELSCINT, LTD.
Haifa, Israel ................................................... 25A, 26A, 27A

G. E. MEDICAL SYSTEMS
Milwaukee, WI ................................................. 22A, 23A

G. K. HALL MEDICAL BOOKS
Boston, MA ..................................................... 31A

GRUNE & STRATTON, INC.
New York, NY .................................................. 45A

HUMANETICS, INC.
Carrolton, TX .................................................. 44A

ILLINOIS IMAGING & ELECTRONICS, INC.
Wheaton, IL ..................................................... 48A

INTERNATIONAL CIS
Cedex, France .................................................. 9A

ISOGRAPHICS, INC.
Stone Mountain, GA ......................................... 46A

ISOLAB, INC.
Akron, OH ..................................................... 42A

JOHNSTON LABORATORIES
Cockeysville, MD ............................................ 44A

R. S. LANDAUER, Jr. & CO.
Glenwood, IL .................................................. 35A

MALLINCKRODT, INC.
St. Louis, MO .................................................. 30A, 31A

MEDI-PHYSICS, INC.
Emeryville, CA ................................................ IFC, 1A, 6A, BC

MEDITRONIC/MEDICAL DATA SYSTEMS
Ann Arbor, MI ................................................. 3A

NEW ENGLAND NUCLEAR
Boston, MA ..................................................... 49A, 50A, 51A, 52A, 53A
..................................................... 69A, 70A, 71A, 78A, IBC

NOVO MEDICAL
Wilton, CT ..................................................... 24A

NU TECH
New Haven, CT ................................................. 66A, 67A

NUCLEAR ASSOCIATES
Carle Place, NY ................................................ 60A

NUCLEAR PACIFIC
Seattle, WA ...................................................... 15A, 38A

NUCLEAR PHARMACY
Albuquerque, NM ............................................... 12A, 13A

PHARMATOPES, INC.
Toledo, OH ..................................................... 56A

PICKER INTERNATIONAL
Northford, CT .................................................. 18A, 19A, 21A

PROCITER & GAMBLE CO.
Cincinnati, OH ................................................ 36A, 37A, 38A

RADCAL CORP.
Monrovia, CA .................................................. 16A

RADX CORPORATION
Houston, TX ..................................................... 55A, 58A

RAVEN PRESS
New York, NY .................................................. 57A

SIEMENS CORPORATION
Iselin, NJ ....................................................... 11A

SNM PLACEMENT
New York, NY ................................................... 72A, 73A, 74A, 75A, 76A

E. R. SQUIBB & SONS, INC.
Princeton, NJ .................................................... 14A, 15A

TECHNICAL ASSOCIATES
Canoga Park, CA .............................................. 59A

TELEDYNE ISOTOPES
Westwood, NJ .................................................. 63A

TRAINING RESOURCES
Columbia, MD .................................................. 32A

VICTOREEN, INC.
Cleveland, OH .................................................. 64A