Robert M. Stephenson, Jr.

Curriculum Vitæ

I. Refereed publications.

1. (with C.T. Scarborough) *Minimal topologies*, Colloq. Math. **19** (l968), 215–219.

2. *Spaces for which the Stone-Weierstrass theorem holds*, Trans. Amer. Math. Soc. **133** (1968), 537–546.

3. *Pseudocompact spaces*, Trans. Amer. Math. Soc. **134** (1968), 437–448.

4. (with M.P. Berri and J.R. Porter) *A survey of minimal topologies*, Proc. Kanpur Topology Conf. (1968), Academic Press, New York (1971), 93–114.

5. *Minimal first countable topologies*, Trans. Amer. Math. Soc. **138** (1969), 115–127.

6. *Product spaces for which the Stone-Weierstrass theorem holds*, Proc. Amer. Math. Soc. **21** (1969), 284–288.

7. *Two minimal first countable Hausdorff spaces*, Math. Zeitschr. **108** (1969), 171–172.

8. *A countable minimal Urysohn space is compact*, Proc. Amer. Math. Soc. **22** (1969), 625–626.

9. *Non-cut point and modified compactness conditions*, Proc. Amer. Math. Soc. **23** (1969), 266–272.

10. *Minimal first countable Hausdorff spaces*, Pacific J. Math. **36** (1971), 819–825.

11. (with Victor Saks) *Products of $\mathfrak{M}$-compact spaces*, Proc. Amer. Math. Soc. **28** (1971), 279–288.

12. *Minimal topological groups*, Math. Ann. **192** (1971), 193–195.

13. *Products of minimal Urysohn spaces*, Duke Math. J. **38** (1971), 703–707.

14. *Discrete subsets of perfectly normal spaces*, Proc. Amer. Math. Soc. **34** (1972), 605–608.

15. *Products of nearly compact spaces*, Proc. of the Univ. of Oklahoma Topology Conference, 1972, 310–320, Academic Press.

16. *Two R-closed spaces*, Canadian J. Math. **24** (1972), 286–292.

17. *Product spaces and the Stone-Weierstrass theorem*, General Topology and its Applications **3** (1973), 77–79.

18. (with J.E. Vaughan) *Products of initially $\mathfrak{m}$-compact spaces*, Trans. Amer. Math. Soc. **197** (1974), 177–189.

19. *Not every minimal Hausdorff space is e-compact*, Proc. Amer. Math. Soc. **52** (1975), 381–389.

20. (with Peter W. Harley, III) *Symmetrizable and related spaces*, Trans. Amer. Math. Soc. **219** (1976), 89–111.

21. *Some unsolved problems concerning $\mathcal{P}$-minimal and $\mathcal{P}$-closed spaces*, Proc. of the Memphis State Topology Conf., 249–257, Marcel Dekker, 1976.

22. *Symmetrizable-closed spaces*, Pacific J. Math. **68** (1977), 507–514.

23. *Symmetrizable, $\mathcal{F}$-, and weakly first countable spaces*, Can. J. Math. **29** (1977), 480–488.

24 *Near compactness and separability of symmetrizable spaces*, Proc. Amer. Math. Soc. **68** (1978), 108–110.

25. *Symmetrizable spaces and separability*, Topology Proceedings **4** (1979), 589–599.

26. (with S.W. Davis) *Separability and minimal weak base topologies*, Proc. Amer. Math. Soc. **74** (1979), 371–378.

27. *The development of and gaps in the theory of products of initially $\mathfrak{M}$-compact spaces*, Topology Proceedings **6** (1981), 99–113.

28. *Pseudocompact and Stone-Weierstrass product spaces*, Pacific J. Math. **99** (1982), 159–174.

29. *A theorem on the cardinality of κ-total spaces*, Proc. Amer. Math. Soc. **89** (1983), 367–370.

30. *Initially κ-compact and related spaces*, 603–632, in Handbook of Set-Theoretic Topology, edited by K. Kunen and J.E. Vaughan, North-Holland, 1984.

31. *Concerning the equation $C(\prod X_a) = C(\prod wX_a)$*, 277–281, in Rings of Continuous Functions, edited by C.E. Aull, Marcel Dekker, 1985.

32. *Moore-closed and first countable feebly compact extension spaces*, Topology and its Applications **27** (1987) 11–28.

33. (with Jack R. Porter and R. Grant Woods) *Maximal feebly compact spaces*, Topology and its Applications **52** (1993), 203–219.

34. (with Jack R. Porter and R. Grant Woods) *Maximal pseudocompact spaces*, Commentationes Mathematicae Universitatis Carolinae **35**, (1994), 127–145.

35. (with Yousef Bdeir) *Minimal totally disconnected spaces*, Houston Journal of Mathematics No. 4, **20** 1994, 721–744.

36. (with Jack R. Porter and R. Grant Woods) *Maximal feebly compact expansions*, Proceedings 1993 Summer Conference on General Topology and Applications, New York Academy of Sciences, **767** (1995), 168–187.

37. (with Jack R. Porter) *Minimal Hausdorff spaces—Then and Now*, in the Handbook of the History of General Topology, vol. 2, pp. 669–687, 1998, Kluwer Academic Publishers, printed in the Netherlands.

38. *Pseudocompact spaces*, in Encyclopedia of General Topology, edited by K.P. Hart, J.-I. Nagata and J.E. Vaughan, 177–181, 2004 Elsevier Science.

39. (with Alan Dow, Jack R. Porter and R. Grant Woods) *Spaces whose pseudocompact subspaces are closed subsets*, Applied General topology **5** (2004), 243–264.

40. *Reopening several questions concerning $\mathcal{P}$-closed spaces*, Topology Proceedings **52** (2018), 101–112.

II. Unpublished articles.

1. *A first countable regular spaces on which every continuous real valued function is constant*, 1971.

III. Invited presentations made at colloquia, professional meetings and conferences.

1. (with M.P. Berri and J.R. Porter, presented by a topologist from India), *A survey of minimal topologies*, Topology Conference at Kanpur, 1968.

2. *Products of nearly compact spaces*, University of Oklahoma Topology Conference, 1972.

3. (with J.E. Vaughan) *Products of initially $\mathfrak{m}$-compact spaces I, II*, Special Session on General Topology at the Annual Meeting of the Amer. Math. Soc., 1973.

4. *Products of nearly compact spaces*, University of South Carolina, colloquium talk, 1973.

5. *Products of initially $\mathfrak{m}$-compact spaces*, Virginia Polytechnic Institute and State University Topology Conference, 1973.

6. (with Peter W. Harley, III) *A certain family of weakly first countable spaces*, Guilford College Topology Conference, April, 1974.

7. *Some unsolved problems concerning $\mathcal{P}$-minimal and $\mathcal{P}$-closed spaces*, Guilford College Topology Conference, October, 1974.

8. *$\mathcal{P}$-minimal and $\mathcal{P}$-closed spaces*, University of North Carolina at Greensboro Topology Conference, 1975.

9. (with Peter. W. Harley, III) *Symmetrizable and related spaces*, Special Session on General Topology at the Amer. Math. Soc. Fall Meeting, Blacksburg, Virginia, 1975.

10. Invited colloquium talk, University of North Carolina at Greensboro, 1978.

11. *Product spaces*, Virginia Polytechnic institute and State University, colloquium talk, 10/3/80.

12. *Initially κ-compact spaces*, University of North Carolina at Chapel Hill, colloquium talk, 12/2/80.

13. *Countably compact and related spaces*, University of North Carolina at Greensboro, colloquium talk, 12/9/80.

14. *Concerning the equation $C(\prod X_a) = C(\prod wX_a)$*, Special Session on Rings of Continuous Functions, Annual Meeting of the Amer. Math. Soc., 1982.

15. *Moore-closed spaces*, Duke University Topology Conference, 1987.

16. *Nearly compact first countable extension spaces*, Duke University Topology Conference, October 21, 1989.

17. *Maximal pseudocompact spaces* (with Jack R. Porter and R. Grant Woods), Summer Conference in Topology at U. Wisconsin, 1991.

18. *The number of different orders of a dozen doughnuts*, colloquium talk (undergraduate level) at Benedict College, November 20, 1991.

19. *Maximal pseudocompact spaces* (with Jack R. Porter and R. Grant Woods), Kansas State University Topology Conference, 1/5/92.

20. *Minimal topologies* (with Jack R. Porter), Special Session on The History of General Topology, Annual Meeting of the Amer. Math. Soc., 1/93, San Antonio, Texas.

21. *Maximal feebly compact spaces* (with Jack R. Porter and R. Grant Woods), the University of North Carolina at Greensboro Miniconference, 4/11/93.

22. *Maximal feebly compact expansions* (with Jack R. Porter and R. Grant Woods), the University of North Carolina at Greensboro Conference, 11/6/93.

23. Invited talk at the Special Session on Set Theoretic Topology and Set Theory, Amer. Math. Soc. Meeting, 11/12/94, Richmond, Virginia; presented results from *Maximal feebly compact expansions*, by Jack R. Porter, R.M. Stephenson, Jr., and R. Grant Woods.

24. *How many numbers are there*, talk (undergraduate level) given at Benedict College, 11/29/94.

25. Invited talk at the Special Session on Set Theoretic Topology and Set Theory, Amer. Math. Soc. Meeting, 11/17/95, Greensboro, NC.

26. Invited talk at the Special Session on Topology, Amer. Math. Soc. Meeting, 10/15/99– 10/17/99, Charlotte, NC.

27. Invited talk at the Auburn University Topology Conference in Honor of Ben Fitzpatrick, 2/8/01–2/11/01, Auburn University, AL.

28. Invited talk at the Special Session on Topology, Amer. Math. Soc. Meeting, 3/30/01– 3/31/01, Lawrence, KS.

29. Invited to visit the Department of Mathematics of the University of Kansas, Lawrence, Kansas, March 1–31, 2002 and to participate/speak in topology seminars while there.

30. Invited talk at the 18th Summer Conference on Topology and its Applications, in honor of A.V. Arhangel′skii, 6/29/03–7/3/03, Brooklyn College, NY.

31. Invited talk at the 21st Summer Conference on Topology and its Applications, 2006, Georgia Southern University.

IV. Other professional activities.

1. Have given 20 contributed talks at research conferences and annual meetings of the American Mathematical Society, and have been a speaker at 35 seminar series given at Tulane University, the University of Kansas, the University of North Carolina at Chapel Hill, the University of North

Carolina at Charlotte, the University of North Carolina at Greensboro, and the University of South Carolina.

2. Have refereed over 120 articles for 22 professional journals and conference proceedings editors, reviewed 12 grant proposals, served as an outside research evaluator for promotion/tenure consideration for 11 candidates (from universities in Canada, Missouri, New Hampshire, North Carolina, Pennsylvania, Virginia, and other states), and published in Mathematical Reviews and in Zentralblatt für Mathematik 150 reviews of mathematics research publications.

3. Co-organizer of April 19, 1975 topology conference at USC (34 attended), organized a topology conference that was held at USC on October 15, 1977 (about 25 attended), organizing committee for a topology conference held at USC in 1984 (about 30 attended), one of the two main organizers of the 1993 Spring Topology Conference held at USC (three days in March, attended by 146 topologists from all over the world), member of organizing committees for the Fall Amer. Math. Soc. meeting held at USC in 1976 and the Spring Amer. Math. Soc. meeting held at USC in 2001.

V. University activities and service.

1. Chairman, Department of Mathematics, Computer Science, and Statistics, 1976–1979.

2. University Committee on Tenure and Promotions, 1983–1986 and 1992–1995, Chairman in 1985–1986, and co-authored in 1986 (with B. Coull and D. Nolan) the first edition of the manual, *A Guide to USC-Columbia Tenure and Promotion Procedures.*

3. Other activities include: serving on the Russell Research Award in Science and Engineering Committee, Faculty Senate (1977–80 and 1994–97), University Self-Study Research Committee (1979–80), New Faculty Orientation (1985), UCTP Nominating Committee (1986), UCTP Internal Rules Subcommittee (1985–86), College Standards and Petitions Committee (1994), University Mathematics Committee (1994), College Computer Advisory Committee, as a Science Fair Judge (10 times), as a SC Honors College interviewer, as chairman of our department's Full Professors Committee and Tenured Associate Professors Committee (each several times), as well as a member or chairman of various departmental committees, such as Audio-Visual Aids, Undergraduate Curriculum, Executive, Colloquium, Hiring, Math 121–122 Coordinating Committee, Promotion/Tenure document, Textbook, Education, Chairman's Advisory, and Post-tenure Review Policy.

4. Acting Chairman, Department of Mathematics, summer of 1983.

5. Chair, Department of Mathematics, 1994–2001.

6. President's Ad Hoc Promotion and Tenure Review Committee, 1996–1997.

7. Dean's Search Committee, College of Science and Mathematics, 1997–1998.

VI. Student supervision and teaching activities.

1. Have directed two M.S. theses at USC, P. Romano in 1984 and M. Cicero in 1985, co-directed at UNC two Ph.D. dissertations (with J.E. Vaughan) Thomas C. Lominac in 1971 and Joseph W. Goldston in 1975, and directed one Ph.D. dissertation at USC, Yousef Bdeir in 1992.

2. Have regularly taught honors classes, 1974–2005, was a runner up for a South Carolina College best teacher about thirteen years ago. Nominated for Amoco teaching award in 1992.

3. Have served on numerous M.S. and Ph.D. comprehensive exam/defense committees.

5. Courses taught at USC:

MATH 101 Mathematics for the Humanities
MATH 111 Basic College Mathematics
MATH 122 Calculus for Business Administration and Social Sciences

MATH 131 (and 131H) Analytic Geometry and Calculus I
MATH 132 (and 132H) Analytic Geometry and Calculus II
MATH 141 (and 141H or 111H or SCCC 111) Calculus I
MATH 142 (and 142H or 112H or SCCC 112) Calculus II
MATH 174 Discrete Mathematics for Computer Science
MATH 221 (formerly 501) Basic Concepts of Elementary Mathematics
MATH 241 (and 211H or SCCC 211) Vector Calculus
MATH 242 (and 212H or SCCC 212) Elementary Differential Equations
MATH 341 Engineering Mathematics I
MATH 399 Metric Spaces and Set Theory
MATH 534 Elements of General Topology
MATH 544 Applied Linear Algebra I
MATH 546 Abstract Algebra I
MATH 550A Vector Analysis (for mid-career engineers)
MATH 554 Analysis I
MATH 574 = CSCI 574 (formerly CSCI 360) Discrete Mathematics I
MATH 701I Abstract Algebra I
MATH 702I Abstract Algebra II
MATH 730 General Topology I
MATH 731 General Topology II
MATH 751 Measure Theory
MATH 790 Graduate Seminar

Courses taught at other universities include ones equivalent to some of the above, along with courses equivalent to MATH 546 Algebraic Structures I and MATH 732 Algebraic Topology I, as well as courses in finite mathematics and computer assisted calculus.

VII. Educational background.

High school diploma, Isidore Newman School, 1958.
B.A. degree in mathematics, Vanderbilt University, 1962.
M.S. degree in mathematics, Tulane University, 1965.
Ph.D. degree in mathematics, Tulane University, 1967.

VIII. Employment background.

Summer Vacation Bible School Supervisor, St. Charles Avenue Presbyterian Church, New Orleans, La., 1958.
Summer Camp Counselor, Sky Valley Camp, near Hendersonville, NC, 1959.
Computer Operator, Genesco Corp., Nashville, Tenn., 1960–1962.
Grader, Vanderbilt University, 1961–1962.
Graduate Teaching and Research Assistantships, Tulane University, 1962–1967.
Visiting Assistant Professor, Tulane University, summer of 1967.
Assistant Professor, University of North Carolina at Chapel Hill, 1967–1973.
Associate Professor, University of South Carolina, 1973–1978.
Department Chairman, University of South Carolina, 1976–1979 and 1994–2001 (as noted above).
Professor, University of South Carolina, 1978–2005.
Distinguished Professor, University of South Carolina, 2005–2006.
Distinguished Professor Emeritus, University of South Carolina, June 1, 2006–.

IX. Community service.

Cub Scout Pack 91 and Boy Scout Troop 91, Committee Member, Treasurer, 1976–1988.
St. Andrews Presbyterian Church, Deacon, 1983–1984, 1986–1991, Church Treasurer, 1986–1989.

September 1, 2017