

H. GARTH DALES

Publications List - May 2011

1. Boundaries and peak points for Banach function algebras, *Proceedings of the London Mathematical Society* (3), **22** (1971), 121–136. MR 43:2510.
2. (with G. R. Allan and J. P. McClure) Pseudo-Banach algebras, *Studia Mathematica*, **40** (1971), 55–69. MR 48:12061.
3. The union of peak sets for Banach function algebras, *Bulletin of the London Mathematical Society*, **3** (1971), 204–208. MR 44:3130.
4. (with J. P. McClure) Continuity of homomorphisms into certain commutative Banach algebras, *Proceedings of the London Mathematical Society* (3), **26** (1973), 69–81. MR 47:3998.
5. (with A. M. Davie) Quasi-analytic Banach function algebras, *Journal of Functional Analysis*, **13** (1973), 28–50. MR 49:7782.
6. The uniqueness of the functional calculus, *Proceedings of the London Mathematical Society*, (3) **27** (1973), 638–648. MR 48:12062.
7. The ring of holomorphic functions on a Stein compact set as a unique factorization domain, *Proceedings of the American Mathematical Society*, **44** (1974), 88–92. MR 48:1570.
8. (with J. P. McClure) Completion of normed algebras of polynomials, *Journal of the Australian Mathematical Society*, **20** (1975), 504–510. MR 53:3715.
9. Higher point derivations on commutative Banach algebras. In *Spaces of analytic functions*, Lecture Notes in Mathematics, **512**, Springer–Verlag, 1976, 24–30. MR 58:12377.
10. Exponentiation in Banach star algebras, *Proceedings of the Edinburgh Mathematical Society* (Series II), **20** (1976), 163–165. MR 54:5840.
11. (with J. P. McClure) Higher point derivations on commutative Banach algebras, I, *Journal of Functional Analysis*, **26** (1977), 166–189. MR 57:13498a.
12. (with J. P. McClure) Higher point derivations on commutative Banach algebras, II, *Journal of the London Mathematical Society* (2), **16** (1977), 313–325. MR 57:13498b.
13. A discontinuous homomorphism from  $C(X)$ , *American Journal of Mathematics*, **101** (1979), 647–734. MR 81g:46066.

14. (with J. Esterle) Discontinuous homomorphisms from  $C(X)$ , *Bulletin of the American Mathematical Society*, **83** (1977), 257–259. MR 55:3791.
15. Discontinuous homomorphisms from topological algebras, *American Journal of Mathematics*, **101** (1979), 635–646. MR 81i:46059.
16. Automatic continuity: a survey, *Bulletin of the London Mathematical Society*, **10** (1978), 129–183. MR 80c:46053.
17. Embedding  $C(X)$  in an algebra of analytic functions, *Banach Center Publications*, Warsaw, **8** (1982), 231–236.
18. Eventual continuity in Banach algebras of differentiable functions, *Studia Mathematica*, **70** (1980), 113–121. MR 83c:46040.
19. (with W. G. Bade) Norms and ideals in radical convolution algebras, *Journal of Functional Analysis*, **41** (1981), 77–109. MR 82k:46082.
20. (with J. P. McClure) Higher point derivations on commutative Banach algebras, III, *Proceedings of the Edinburgh Mathematical Society*, **24** (1981), 31–40. MR 82j:46062.
21. Norming nil algebras, *Proceedings of the American Mathematical Society*, **83** (1981), 71–74. MR 82j:46062.
22. (with W. K. Hayman) Esterle’s proof of the Tauberian theorem for Beurling algebras, *Annales de l’Institut Fourier (Grenoble)*, **31** (1981), 141–150. MR 83j:43007.
23. The continuity of traces. In *Radical Banach algebras and automatic continuity*, Lecture Notes in Mathematics, **975**, Springer–Verlag, (1982), 451–458. MR 84m:46065.
24. (with W. G. Bade and K. B. Laursen) Multipliers of radical Banach algebras of power series, *Memoirs of the American Mathematical Society*, Volume **303** (1984), 1–84. MR 85j:46094.
25. Convolution algebras on the real line. In *Radical Banach algebras and automatic continuity*, Lecture Notes in Mathematics, **975**, Springer–Verlag, (1982), 180–209. MR 84m:46052.
26. (with G. A. Willis) Cofinite ideals in Banach algebras, and finite-dimensional representations of group algebras. In *Radical Banach algebras and automatic continuity*, Lecture Notes in Mathematics, **975**, Springer–Verlag, (1982), 397–421. MR 84h:46061.

27. (with E. Albrecht) Continuity of homomorphisms from  $C^*$ -algebras and other Banach algebras. In *Radical Banach algebras and automatic continuity*, Lecture Notes in Mathematics, **975**, Springer–Verlag, (1982), 375–396. MR 84f:46063.
28. Automatic continuity of homomorphisms from  $C^*$ -algebras. In *Functional Analysis: surveys and recent results III*, (ed. K.-D. Bierstedt and B. Fuchssteiner), North Holland, Amsterdam, 1984, 197–218.
29. Algebra and topology in Banach algebras, *Contemporary Mathematics*, American Mathematical Society, **32** (1984), 97–106.
30. (with R. J. Loy) Prime ideals in algebras of continuous functions, *Proceedings of the American Mathematical Society*, **98** (1986), 426–430. MR 87j:46098.
31. (with J. P. McClure) Nonstandard ideals in radical convolution algebras on a half line, *Canadian Journal of Mathematics*, **39** (1987), 309–321. MR 88m:46067.
32. (with W. G. Bade and P. C. Curtis, Jr.) Amenability and weak amenability for Beurling and Lipschitz algebras, *Proceedings of the London Mathematical Society* (3), **55** (1987), 359–377. MR 88f:46098.
33. Local Banach algebras as Henselian rings, *Studia Mathematica*, **87** (1987), 85–97. MR 89d:46051.
34. (with W. H. Woodin) *An introduction to independence for analysts*, London Mathematical Society Lecture Note Series **115**, Cambridge University Press, 1987, xi + 241 pp. MR 90d:03101.
35. (with W. G. Bade) Discontinuous derivations from algebras of power series, *Proceedings of the London Mathematical Society* (3), **59** (1989), 133–152. MR 90j:46048.
36. (with W. G. Bade) Continuity of derivations from radical convolution algebras, *Studia Mathematica*, **95** (1989), 59–91. MR 90k:46115.
37. The real numbers, Inaugural Lecture, *University of Leeds Review*, **31** (1988/89), 43–59.
38. On norms of algebras, *Proceedings of the Centre for Mathematical Analysis*, Australian National University, Canberra, **21** (1989), 61–96. MR 90k:46110.
39. (with W. G. Bade) The Wedderburn decomposability of some commutative Banach algebras, *Journal of Functional Analysis*, **107** (1992), 105–121. MR 93d:46090.
40. (with R. J. Loy and G. A. Willis) Homomorphisms and derivations from  $\mathcal{B}(E)$ , *Journal of Functional Analysis*, **120** (1994), 201–219. MR 95b:46068.

41. (with W. G. Bade) Uniqueness of complete norms for quotients of Banach function algebras, *Studia Mathematica*, **106** (1993), 289–302.
42. Translator (with J. C. Dales) of *Pour l'honneur de l'esprit humain*, (J. Dieudonné), published as *Mathematics - the music of reason*, Springer–Verlag, Berlin, 1992, x + 287 pp.
43. (with A. Millington) Translation-invariant linear operators, *Mathematical Proceedings of the Cambridge Philosophical Society*, **113** (1993), 161–172. MR 93m:47036.
44. (with H. Jarchow) Continuity of homomorphisms and derivations from algebras of approximable and nuclear operators, *Mathematical Proceedings of the Cambridge Philosophical Society*, **116** (1994), 465–473. MR 95f:47055.
45. (with W. H. Woodin) *Super-real fields : totally ordered fields with additional structure*, London Mathematical Society Monographs, Volume **14**, The Clarendon Press, Oxford, 1996, xv + 357 pp. MR 98b:12005.
46. (with W. G. Bade and Z. A. Lykova) Algebraic and strong splittings of extensions of Banach algebras, *Memoirs of the American Mathematical Society*, Volume **656** (1999), 1–113. MR 99g:46059.
47. (with R. J. Loy) Uniqueness of the norm topology for Banach algebras with finite-dimensional radical, *Proceedings of the London Mathematical Society* (3), **74** (1997), 633–661. MR 98a:46056.
48. (with V. Runde) Discontinuous homomorphisms from non-commutative Banach algebras, *Bulletin of the London Mathematical Society*, **29** (1997), 475–479. MR 98d:46047.
49. (with F. Ghahramani and N. Grønbæk) Derivations into higher duals of Banach algebras, *Studia Mathematica*, **128** (1998), 19–54. MR 99g:46064.
50. Review of ‘Banach algebras and the general theory of  $*$ -algebras, Volume 1: Algebras and Banach algebras’, by T. W. Palmer (Cambridge University Press, 1994), *Bulletin of the London Mathematical Society*, **28** (1996), 656–659.
51. A history of conferences on Banach algebras, *Banach algebras '97*, Proceedings of the 13th International Conference on Banach algebras held in Blaubeuren, July 20–August 3, 1997 (ed. E. Albrecht and M. Mathieu), 3–23, Walter de Gruyter, Berlin, 1998. MR 99g:46001.
52. (with J. Duncan) Second-order cohomology groups of some semigroup algebras, *Banach algebras '97*, Proceedings of the 13th International Conference on Banach algebras held in Blaubeuren, July 20–August 3, 1997 (ed. E. Albrecht and M. Mathieu), 205–222, Walter de Gruyter, Berlin, 1998. MR 99m:46168.

53. Questions on automatic continuity, *Banach algebras '97*, Proceedings of the 13th International Conference on Banach algebras held in Blaubeuren, July 20–August 3, 1997 (ed. E. Albrecht and M. Mathieu), 509–525, Walter de Gruyter, Berlin, 1998. MR 99f:46069.
54. (with S. S. Pandey) Weak amenability of Segal algebras, *Proceedings of the American Mathematical Society*, **128** (2000), 1419–1425. MR 2000j:46096.
55. (Editor, with G. Oliveri) *Truth in Mathematics. Papers from the conference held in Mussomeli, September 13–20, 1995*, The Clarendon Press, Oxford, 1998, x+376 pp. MR 2000j:03008.
56. (with G. Oliveri) Truth and the foundations of mathematics. In *Truth in Mathematics, Mussomeli, 1995* (ed. H. G. Dales and G. Oliveri), 1–40, The Clarendon Press, Oxford, 1998.
57. The mathematician as a formalist. In *Truth in Mathematics, Mussomeli, 1995* (ed. H. G. Dales and G. Oliveri), 181–200, The Clarendon Press, Oxford, 1998.
58. (with A. R. Villena) Continuity of derivations, intertwining maps, and cocycles from Banach algebras, *Journal of the London Mathematical Society* (2), **63** (2001), 215–225. MR 2002b:46068.
59. (with F. Ghahramani and A. Ya. Helemskii) The amenability of measure algebras, *Journal of the London Mathematical Society* (2), **66** (2002), 213–226. MR 2003c:43001.
60. (with A. Rodrigues-Palacios and M. V. Velasco) The second transpose of a derivation, *Journal of the London Mathematical Society* (2), **64** (2001), 707–721. MR 2003e:46077.
61. Derivations from Banach algebras. In *Recent progress in functional analysis*, North Holland Mathematics Studies, Volume **189**, (2001). Proceedings of the International Functional Analysis Meeting, Valencia, Spain, July 3–7, 2000 (ed. K.-D. Bierstedt, J. Bonnet, M. Maestre, J. Schmets), 75–94. MR 2002i:46042.
62. *Banach algebras and automatic continuity*, London Mathematical Society Monographs, Volume **24**, The Clarendon Press, Oxford, xv+907 pp., 2000. MR 2002e:46001.
63. Automatic continuity for Banach algebras, *Encyclopedia of Mathematics*, Supplement III, Kluwer Academic Publishing, (2001), 48–49.

64. (with N. J. Laustsen and C. J. Read) A properly infinite Banach  $*$ -algebra with a non-zero, bounded trace, *Studia Mathematica*, **155** (2003), 107–129. MR 2003m:46084.
65. (with K. A. L. White) Derivations from Banach function algebras, *Quarterly Journal of Mathematics*, **55** (2004), 451–461. MR 2006d:47068.
66. (with A. T.-M. Lau) Second duals of Beurling algebras, *Memoirs of the American Mathematical Society*, Volume **177** (2005), 1–191. MR 2006k:43002.
67. (with M. E. Polyakov) Homological properties of modules over group algebras, *Proceedings of the London Mathematical Society* (3), **89** (2004), 390–426. MR 2005e:46085.
68. Banach algebras. In *Introduction to Banach algebras, operators, and harmonic analysis*, London Mathematical Society Student Texts, Volume **57**, Cambridge University Press, 2003, 1–72.
69. Review of ‘Banach algebras and the general theory of  $*$ -algebras, Volume II:  $*$ -Algebras’, by T. W. Palmer, (Cambridge University Press, 2001), *Proceedings of the Edinburgh Mathematical Society* (Series II), **47** (2004), 756–761.
70. (with J. F. Feinstein) Banach function algebras with dense invertible group, *Proceedings of the American Mathematical Society*, **136** (2008), 1295–1304. MR 2010b:46111.
71. (with A. T.-M. Lau and D. Strauss) Banach algebras on semigroups and on their compactifications, *Memoirs American Mathematical Society*, Volume **205** (2010), 1–165. MR 2650729.
72. (with R. J. Loy and Y. Zhang) Approximate amenability of Banach sequence algebras, *Studia Mathematica*, **177** (2006), 81–96. MR 2007m:46069.
73. (with M. E. Polyakov) Multi-normed spaces, in preparation.
74. (with M. S. Moslehian) Stability of mappings on multi-normed spaces, *Glasgow Mathematical Journal*, **49** (2007), 321–332. MR 2008f:39038.
75. (with H. Dedania) Weighted convolution algebras on subsemigroups of the real line, *Dissertationes Mathematicae (Rozprawy Matematyczne)* **459** (2009), 1–60. MR 2010d:46059.
76. (with R. J. Loy) Approximate amenability of semigroup algebras and Segal algebras, *Dissertationes Mathematicae (Rozprawy Matematyczne)* **474** (2010), 1–58.

77. (with J. F. Feinstein) Normed algebras of differentiable functions on compact plane sets, *Indian Journal of Pure and Applied Mathematics, Platinum Anniversary Volume*, **41** (2010), 153–187. MR 2650106.
78. (with A. T.-M. Lau and D. Strauss) Second duals of measure algebras, *Dissertationes Mathematicae (Rozprawy Matematyczne)*, to appear in 2011; pp. 122.
79. (with S. R. Patel, and C. J. Read) Fréchet algebras of power series. In *Banach algebras 2009*, (Ed. R. J. Loy, V. Runde, A. Sołtysiak) Banach Center Publications, Institute of Mathematics, Polish Academy of Sciences, Warsaw, **91** (2010), 123–158.
80. (by G. R. Allan, prepared for publication) *Introduction to Banach spaces and algebras*, Oxford Graduate Texts in Mathematics, Volume **20**, Oxford University Press, 2010, viii+ 371 pp.
81. (with M. Daws, H. L. Pham, and P. Ramsden) Multi-norms and injectivity of  $L^p(G)$ , *Proceedings of the London Mathematical Society*, submitted January 2011.
82. (with M. Daws, H. L. Pham, and P. Ramsden) Equivalence of multi-norms, in preparation.
83. (with M. Daws, H. L. Pham, and P. Ramsden) Multi-norms and combinatorial conditions for the amenability of groups, in preparation.