

REFERENCES

- [1] J. F. AARNES, The Vitali–Hahn–Saks theorem for Von Neumann algebras, *Math. Scand.* **18** (1966) 87–92.
- [2] J. F. AARNES, On the continuity of automorphic representations of groups, *Commun. Math. Phys.* **7** (1968) 332–336.
- [3] J. F. AARNES, Physical states on C*-algebras, *Acta Math.* **122** (1969) 161–172.
- [4] J. F. AARNES, Full sets of states on a C*-algebra, *Math. Scand.* **26** (1970) 141–148.
- [5] J. F. AARNES, Quasi-states on C*-algebras, *Trans. Amer. Math. Soc.* **149** (1970) 601–625.
- [6] J. F. AARNES, Continuity of group representations with applications to C*-algebras, *J. Functional Anal.* **5** (1970) 14–36.
- [7] J. F. AARNES, E. G. EFFROS and D. A. NIELSEN, Locally compact spaces and two classes of C*-algebras, *Pacific J. Math.* **34** (1970) 1–16.
- [8] J. F. AARNES and R. V. KADISON, Pure states and approximate identities, *Proc. Amer. Math. Soc.* **21** (1969) 749–752.
- [9] S. M. ABDALLA and J. SZÜCS, On an ergodic-type theorem for Von Neumann algebras, *Acta Sci. Math.* **36** (1974) 167–172.
- [10] L. ACCARDI, The noncommutative Markovian property, *Funkcional. Anal. Prilož.* **9** (1975) 1–8 (in Russian).
- [11] C. A. AKEMANN, The dual space of an operator algebra, *Trans. Amer. Math. Soc.* **126**, (1967) 286–302.
- [12] C. A. AKEMANN, Projections onto separable C*-subalgebras of a W*-algebra, *Bull. Amer. Math. Soc.* **73** (1967) 925.
- [13] C. A. AKEMANN, Sequential convergence in the dual of a W*-algebra, *Commun. Math. Phys.* **7** (1968) 222–224.
- [14] C. A. AKEMANN, Interpolation in W*-algebras, *Duke Math. J.* **35** (1968) 525–533.
- [15] C. A. AKEMANN, The general Stone–Weierstrass problem, *J. Functional Anal.* **4** (1969) 277–294.
- [16] C. A. AKEMANN, Approximate units and maximal abelian C*-subalgebras, *Pacific J. Math.* **33** (1970) 543–550.
- [17] C. A. AKEMANN, Separable representations of a W*-algebra, *Proc. Amer. Math. Soc.* **24** (1970) 354–355.
- [18] C. A. AKEMANN, Left ideal structure of C*-algebras, *J. Functional Anal.* **6** (1970) 305–317.
- [19] C. A. AKEMANN, A Gelfand representation for C*-algebras, *Pacific J. Math.* **39** (1971) 1–11.
- [20] C. A. AKEMANN, P. G. DODDS and J. L. B. GAMLEN, Weak compactness in the dual space of a C*-algebra, *J. Functional Anal.* **10** (1972) 446–450.
- [21] C. A. AKEMANN, G. A. ELLIOTT, G. K. PEDERSEN and J. TOMIYAMA, Derivations and multipliers of C*-algebras, *Amer. J. Math.* **98** (1976) 679–708.

- [22] C. A. AKEMANN and S. M. NEWBERGER, Physical states on a C^* -algebra, *Proc. Amer. Math. Soc.* **40** (1973) 500.
- [23] C. A. AKEMANN and P. A. OSTRAND, On a tensor product C^* -algebra associated with the free group on two generators, *J. Math. Soc. Japan* **27** (1975) 589–599.
- [24] C. A. AKEMANN and P. A. OSTRAND, The spectrum of a derivation of a C^* -algebra, *J. London Math. Soc.* **13** (1976) 525–530.
- [25] C. A. AKEMANN and G. R. PEDERSEN, Complications of semicontinuity in C^* -algebra theory, *Duke Math. J.* **40** (1974) 785–795.
- [26] C. A. AKEMANN, G. R. PEDERSEN and J. TOMIYAMA, Multipliers of C^* -algebras, *J. Functional Anal.* **13** (1973) 277–301.
- [27] C. A. AKEMANN and M. ROSENFELD, Maximal one-sided ideals in operator algebras, *Amer. J. Math.* **94** (1972) 723–728.
- [28] C. A. AKEMANN and B. RUSSO, Geometry of the unit sphere of a C^* -algebra and its dual, *Pacific J. Math.* **32** (1970) 575–585.
- [29] C. A. AKEMANN and M. E. WALTER, Nonabelian Pontriagin duality *Duke Math. J.* **39** (1972) 451–463.
- [30] C. A. AKEMANN and M. E. WALTER, The Riemann–Lebesgue property for arbitrary locally compact groups, to appear.
- [31] F. E. ALEXANDER and B. J. TOMIUK, Complemented B^* -algebras, *Trans. Amer. Math. Soc.* **137** (1969) 459–480.
- [32] E. M. ALFSEN, Facial structure of compact convex sets, *Proc. London Math. Soc.* **18** (1968) 385–404.
- [33] E. M. ALFSEN and T. B. ANDERSEN, Split faces of compact convex sets, *Proc. London Math. Soc.* **21** (1970) 415–442.
- [34] E. M. ALFSEN and F. W. SHULTZ, Non-commutative spectral theory for affine function spaces on convex sets, I, II, *Mem. Amer. Math. Soc.* **6** (1976) 172.
- [35] G. R. ALLAN, A note on B^* -algebras, *Proc. Cambridge Philos. Soc.* **61** (1965) 29–32.
- [36] R. A. ALO, C. CHENEY and A. DE KORVIN, An abstract Radon–Nikodym theorem, *J. Math. Anal. Appl.* **42** (1973) 110–118.
- [37] R. A. ALO, C. A. CHENEY and A. DE KORVIN, Martingales in Banach $*$ -algebras, *J. Reine Angew. Math.* **273** (1975) 49–56.
- [38] W. AMBROSE, Structure theorems for a special class of Banach algebras, *Trans. Amer. Math. Soc.* **57** (1945) 364–386.
- [39] W. AMBROSE, The L^2 -system of a unimodular group, I, *Trans. Amer. Math. Soc.* **65** (1949) 27–48.
- [40] I. AMEMIYA and H. ARAKI, A remark on Piron's paper, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **2** (1967) 423–427.
- [41] S. ANASTASIO, Maximal abelian subalgebras in hyperfinite factors, *Amer. J. Math.* **87** (1965) 955–971.
- [42] S. ANASTASIO, Non-normal abelian subalgebras, *Tôhoku Math. J.* **20** (1968) 26–37.
- [43] S. ANASTASIO, Some recent results in W^* -algebras, *Trans. New York Acad. Sci.* **33** (1971) 405–410.
- [44] S. ANASTASIO and H. WILLIG, *The Structure of Factors* (Algorithmics Press, New York, 1974).
- [45] T. B. ANDERSEN, On multipliers and order bounded operators in C^* -algebras, *Proc. Amer. Math. Soc.* **25** (1970) 896–899.

- [46] T. B. ANDERSEN, Linear extensions projections and split faces, *J. Functional Anal.* **19** (1974) 161–173.
- [47] J. ANDERSON, Derivation ranges and the identity, *Bull. Amer. Math. Soc.* **79** (1973) 705–708.
- [48] J. ANDERSON, Extreme points in sets of positive linear maps on $\mathcal{B}(\mathcal{H})$, to appear.
- [49] J. ANDERSON, Extensions, restrictions, and representations of states on C*-algebras, to appear.
- [50] J. ANDERSON, On pure states of C*-algebras, *Proc. Amer. Math. Soc.* **55** (1976) 471.
- [51] J. ANDERSON and J. BUNCE, A type II _{∞} factor representation of the Calkin algebra, to appear.
- [52] V. V. ANSELEVIČ, The central limit theorem in “non commutative” probability theory, *Dokl. Akad. Nauk SSSR* **208** (1973) 1265–1267.
- [53] C. APOSTOL, Sur les prolongements des représentations des idéaux d'une algèbre, *Mathematica* **9** (1967) 5–7.
- [54] C. APOSTOL and L. ZSIDÓ, Ideals in W*-algebras and the function η of A. Brown and Pearcy, *Rev. Roumaine Math. Pures Appl.* **18** (1973) 1151–1170.
- [55] H. ARAKI, A generalization of Borcher's theorem, *Helv. Phys. Acta* **36** (1963) 132–139.
- [56] H. ARAKI, A lattice of Von Neumann algebras associated with the quantum theory of a free bose field, *J. Math. Phys.* **4** (1963) 1343–1362.
- [57] H. ARAKI, Von Neumann algebras of local observables for free scalar field, *J. Math. Phys.* **5** (1964) 1–13.
- [58] H. ARAKI, On the algebra of all local observables, *Progr. Theor. Phys.* **32** (1964) 844–854.
- [59] H. ARAKI, Type of Von Neumann algebra associated with free field, *Prog. Theor. Phys.* **32** (1964) 956–965.
- [60] H. ARAKI, Local quantum theory, I, *Proc. Intern. School Phys. E. Fermi* **15** (1968) 65–96.
- [61] H. ARAKI, Multiple time analyticity of a quantum statistical state satisfying the KMS boundary condition, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **4** (1968) 361–371.
- [62] H. ARAKI, A classification of factors, II, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **4** (1968) 585–593.
- [63] H. ARAKI, On the diagonalization of a bilinear Hamiltonian by a Bogoliubov transformation, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **4** (1968) 387–412.
- [64] H. ARAKI, Système à nombre infini de degrés de liberté, *Colloq. Intern. C.N.R.S.* **181** (1969) 75–86.
- [65] H. ARAKI, Gibbs states of a one-dimensional quantum lattice, *Commun. Math. Phys.* **14** (1969) 120–157.
- [66] H. ARAKI, A remark on Bures distance function for normal states, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **6** (1970) 477–482.
- [67] H. ARAKI, Product states, *Cargèse Lectures Phys.* **4** (1970) 1–30.
- [68] H. ARAKI, On quasi-free states of CAR and Bogoliubov automorphisms, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **6** (1970) 385–442.
- [69] H. ARAKI, On representations of the canonical commutation relations, *Commun. Math. Phys.* **20** (1971) 9–25.
- [70] H. ARAKI, Asymptotic ratio set and property L'_ λ , *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **6** (1970) 443–460.

- [71] H. ARAKI. On quasi-free states of the canonical commutation relations I. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **7** (1971) 105–120.
- [72] H. ARAKI. On quasi-free states of the canonical commutation relations II. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **7** (1971) 121–152.
- [73] H. ARAKI. Bures distance function and a generalization of Sakai's noncommutative Radon–Nikodym theorem. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **8** (1972) 335–362.
- [74] H. ARAKI, Remarks on spectra of modular operators of Von Neumann algebras. *Commun. Math. Phys.* **28** (1972) 267–277.
- [75] H. ARAKI. Normal positive linear mappings of norm 1 from a Von Neumann algebra into its commutant, and its application. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **8** (1973) 439–470.
- [76] H. ARAKI. Structure of some Von Neumann algebras with isolated discrete modular spectrum. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **8** (1975) 1–44.
- [77] H. ARAKI, Relative hamiltonian for faithful normal states of a Von Neumann algebra. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **9** (1973) 165–209.
- [78] H. ARAKI. Golden–Thompson and Peierls–Bogoliubov inequalities for a general Von Neumann algebra, *Commun. Math. Phys.* **34** (1973) 167–178.
- [79] H. ARAKI. On the equivalence of the KMS condition and the variational principle for quantum lattice systems. *Commun. Math. Phys.* **38** (1974) 1–10.
- [80] H. ARAKI. One-parameter family of Radon–Nikodym theorems for states of a Von Neumann algebra. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **10** (1974) 1–10.
- [81] H. ARAKI. Some properties of modular conjugation operator of Von Neumann algebras and a noncommutative Radon–Nikodym theorem with a chain rule. *Pacific J. Math.* **50** (1974) 309–354.
- [82] H. ARAKI. On uniqueness of KMS states of one-dimensional quantum lattice systems. *Commun. Math. Phys.* **44** (1975) 1–7.
- [83] H. ARAKI. Inequalities in Von Neumann algebra. to appear.
- [84] H. ARAKI. Relative entropy of states of Von Neumann algebras, *Publ. Res. Inst. Math. Sci. Univ.* **11** (1976) 809–834.
- [85] H. ARAKI. Relative entropy and its applications. to appear.
- [86] H. ARAKI. Positive cone, Radon–Nikodym theorems, relative Hamiltonian and the Gibbs condition in statistical mechanics – an application of the Tomita–Takesaki theory. to appear.
- [87] H. ARAKI and G. A. ELLIOTT. On the definition of C*-algebras. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **9** (1973) 93–112.
- [88] H. ARAKI and P. D. F. ION. On the equivalence of KMS and Gibbs conditions for states of quantum lattice systems, *Commun. Math. Phys.* **35** (1974) 1–12.
- [89] H. ARAKI and H. MIYATA. On KMS boundary condition. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **4** (1968) 373–385.
- [90] H. ARAKI and Y. NAKAGAMI. A remark on an infinite tensor product of Von Neumann algebras. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **8** (1972) 363–374.
- [91] H. ARAKI, M. S. B. SMITH and L. SMITH. On the homotopical significance of the type of Von Neumann algebra factors. *Commun. Math. Phys.* **22** (1971) 71–88.
- [92] H. ARAKI and E. J. WOODS. Representation of the canonical commutation relations describing a nonrelativistic infinite free Bose gas. *J. Math. Phys.* **4** (1963) 637–662.
- [93] H. ARAKI and E. J. WOODS. Complete boolean algebras of type I factors, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **2** (1966) 157–242, 451–452.

- [94] H. ARAKI and E. J. WOODS, A classification of factors, *Publ. Res. Inst. Math. Kyoto Univ.* **4** (1968) 51–130.
- [95] H. ARAKI and W. WYSS, Representations of canonical anticommutation relations, *Helv. Phys. Acta* **37** (1964) 136–159.
- [96] R. J. ARCHBOLD, Prime C*-algebras and antilattices, *Proc. London Math. Soc.* **24** (1972) 669–680.
- [97] R. J. ARCHBOLD, Order and commutativity in C*-algebras, *Proc. Cambridge Philos. Soc.* **76** (1974) 153–155.
- [98] R. J. ARCHBOLD, Density theorems for the centre of a C*-algebra, *J. London Math. Soc.* **10** (1975) 189–197.
- [99] R. J. ARCHBOLD, On the centre of a tensor product of C*-algebras, *J. London Math. Soc.* **10** (1975) 257–262.
- [100] R. ARENS, On a theorem of Gelfand and Neumark, *Proc. Natl. Acad. Sci. U.S.A.* **32** (1946) 237–239.
- [101] G. ARSÈNE and L. ZSIDÓ, Une propriété de type de Darboux dans les algèbres de Von Neumann, *Act. Sci. Math. Szeged* **30** (1969) 195–198.
- [102] W. B. ARVESON, A theorem on the action of abelian unitary groups, *Pacific J. Math.* **16** (1966) 205–212.
- [103] W. B. ARVESON, Analyticity in operator algebras, *Amer. J. Math.* **89** (1967) 578–642.
- [104] W. B. ARVESON, An algebraic conjugacy invariant for measure-preserving transformations, *Bull. Amer. Math. Soc.* **73** (1967) 121–125.
- [105] W. B. ARVESON, Operator algebras and measure-preserving automorphisms, *Acta Math.* **118** (1967) 95–109.
- [106] W. B. ARVESON, A density theorem for operator algebras, *Duke Math. J.* **34** (1967) 635–647.
- [107] W. B. ARVESON, On subalgebras of C*-algebras, *Bull. Amer. Math. Soc.* **75** (1969) 790–794.
- [108] W. B. ARVESON, Subalgebras of C*-algebras, *Acta Math.* **123** (1969) 141–224.
- [109] W. B. ARVESON, Unitary invariants for compact operators, *Bull. Amer. Math. Soc.* **76** (1970) 88–91.
- [110] W. B. ARVESON, Operators with compact imaginary parts, *Indiana Univ. Math. J.* **20** (1971) 877–878.
- [111] W. B. ARVESON, Subalgebras of C*-algebras II, *Acta Math.* **128** (1972) 271–308.
- [112] W. B. ARVESON, On groups of automorphisms of operator algebras, *J. Functional Anal.* **15** (1974) 217–243.
- [113] W. B. ARVESON, Operator algebras and invariant subspaces, *Ann. Math.* **100** (1974) 433–532.
- [114] W. B. ARVESON, A note on essentially normal operators, *Proc. Roy. Irish. Acad.* (1974) 143–146.
- [115] W. B. ARVESON, An Invitation to C*-Algebras, Graduate texts in mathematics, no. 39 (Springer, Berlin, 1976).
- [116] W. B. ARVESON and K. B. JOSEPHSON, Operator algebras and measure-preserving automorphisms II, *J. Functional Anal.* **4** (1969) 100–134.
- [117] L. A. ASIMOV and A. J. ELLIS, On hermitian functionals on unital Banach algebras, *Bull. London Math. Soc.* **4** (1972) 333–336.
- [118] E. A. AZOFF, Borel measurability in linear algebra, *Proc. Amer. Math. Soc.* **42** (1974) 346–350.

- [119] A. BADRIKIAN, Structure de certains groupes localement compacts, *Cahiers Rhodaniens* **5** (1953) 27–51.
- [120] E. BALSLEV and A. VERBEURE, States on Clifford algebras, *Commun. Math. Phys.* **7** (1968) 55–76.
- [121] E. BALSLEV, J. MANUCEAU and A. VERBEURE, Representations of anticommutation relations and Bogoliubov transformations, *Commun. Math. Phys.* **8** (1968) 315–326.
- [122] B. A. BARNES, On the existence of minimal ideals in a Banach algebra, *Trans. Amer. Math. Soc.* **133** (1968) 511–517.
- [123] B. A. BARNES, Banach algebras which are ideals in a Banach algebra, *Pacific J. Math.* **38** (1971) 1–7.
- [124] B. A. BARNES, Irreducible algebras of operators which contain a minimal idempotent, *Proc. Amer. Math. Soc.* **30** (1971) 337–342.
- [125] B. A. BARNES, Closed one-sided ideals in certain B^* -algebras, *Illinois J. Math.* **15** (1971) 515–524.
- [126] B. A. BARNES, Locally R^* -equivalent algebras, *Trans. Amer. Math. Soc.* **167** (1972) 435–442.
- [127] B. A. BARNES, Pure states with the restriction property, *Proc. Amer. Math. Soc.* **33** (1972) 492–494.
- [128] B. A. BARNES, Locally B^* -equivalent algebras, II, *Trans. Amer. Math. Soc.* **176** (1973) 297–303.
- [129] B. A. BARNES, Representations of B^* -algebras on Banach spaces, *Pacific J. Math.* **50** (1974) 7–18.
- [130] B. A. BARNES, Linear functionals continuous on abelian $*$ -subalgebras of a B^* -algebra, *J. London Math. Soc.* **10** (1975) 320–328.
- [131] H. BEHNCKE, Structure of certain non-normal operators, *J. Math. Mech.* **18** (1968) 103–107.
- [132] H. BEHNCKE, Automorphisms of crossed products, *Tôhoku Math. J.* **21** (1969) 580–600.
- [133] H. BEHNCKE, A remark on C^* -algebras, *Commun. Math. Phys.* **12** (1969) 142–144.
- [134] H. BEHNCKE, Projections in Hilbert space, *Tôhoku Math. J.* **22** (1970) 181–183.
- [135] H. BEHNCKE, Generators of W^* -algebras, *Tôhoku Math. J.* **22** (1970) 541–546.
- [136] H. BEHNCKE, A central decomposition of automorphisms, *Math. Ann.* **189** (1970) 308–310.
- [137] H. BEHNCKE, A note on the Gelfand–Naimark conjecture, *Commun. Pure Appl. Math.* **23** (1970) 189–200.
- [138] H. BEHNCKE, Topics in C^* - and Von Neumann algebras, in: *Lecture Notes in Math.* **247** (1972).
- [139] H. BEHNCKE, Generators of finite W^* -algebras, *Tôhoku Math. J.* **24** (1972) 401–408.
- [140] H. BEHNCKE, Generators of W^* -algebras, II, *Tôhoku Math. J.* **24** (1972) 371–381.
- [141] H. BEHNCKE, Generators of W^* -algebras, III, *Tôhoku Math. J.* **24** (1972).
- [142] H. BEHNCKE, Structure of certain non-normal operators, II, *Indiana Math. J.* **22** (1972) 301–308.
- [143] H. BEHNCKE, Nilpotent elements in Banach algebras, *Proc. Amer. Math. Soc.* **37** (1973) 137–141.
- [144] H. BEHNCKE, The description of transformations between superselection sectors

- of algebraic field theories by means of Banach *-algebraic bundles over discrete groups (crossed products), to appear.
- [145] H. BEHNCKE, A class of non-normal operators, to appear.
 - [146] H. BEHNCKE and W. BOS, A class of C^* -algebras, *Proc. Amer. Math. Soc.* **40** (1973) 128–134.
 - [147] H. BEHNCKE, F. KRAUSS and H. LEPTIN, C^* -algebren mit geordneter Idealfolgen, *J. Functional Anal.* **10** (1972) 204–211.
 - [148] H. BEHNCKE and H. LEPTIN, C^* -algebras with a two-point dual, *J. Functional Anal.* **10** (1972) 330–335.
 - [149] H. BEHNCKE and H. LEPTIN, C^* -algebras with finite duals, *J. Functional Anal.* **14** (1973) 253–268.
 - [150] H. BEHNCKE and H. LEPTIN, Classification of C^* -algebras with a finite dual, *J. Functional Anal.* **16** (1974) 241–257.
 - [151] D. C. BENSON and K. KREITH, On abstract Pruefer transformations, *Proc. Amer. Math. Soc.* **26** (1970) 137–140.
 - [152] S. K. BERBERIAN, On the projection geometry of a finite AW*-algebra, *Trans. Amer. Math. Soc.* **83** (1956) 493–509.
 - [153] S. K. BERBERIAN, The regular ring of a finite AW*-algebra, *Ann. Math.* **65** (1957) 224–240.
 - [154] S. K. BERBERIAN, $N \times N$ matrices over an AW*-algebra, *Amer. J. Math.* **80** (1958) 27–44.
 - [155] S. K. BERBERIAN, Note on a theorem of Fuglede and Putnam, *Proc. Amer. Math. Soc.* **10** (1959) 175–182.
 - [156] S. K. BERBERIAN, Trace and the convex hull of the spectrum in a Von Neumann algebra of finite class, *Proc. Amer. Math. Soc.* **23** (1969) 211–212.
 - [157] S. K. BERBERIAN, A note on the algebra of measurable operators of an AW*-algebra, *Tôhoku Math. J.* **22** (1970) 613–618.
 - [158] S. K. BERBERIAN, Equivalence of projections, *Proc. Amer. Math. Soc.* **33** (1972) 485–490.
 - [159] S. K. BERBERIAN, *Baer *-rings*, Grundlehren der Math. Wiss. Vol. **195** (Springer, Berlin, 1972).
 - [160] S. K. BERBERIAN and G. H. ORLAND, On the closure of the numerical range of an operator, *Proc. Amer. Math. Soc.* **18** (1967) 499–503.
 - [161] F. A. BEREZIN, Some remarks on representations of communication relations, *Uspehi Mat. Nauk* **24** (1969) 65–88 (in Russian; English Transl.: *Russian Math. Surv.*).
 - [162] C. A. BERGER and L. A. COBURN, C^* -algebras of transformations and multipliers, *Bull. Amer. Math. Soc.* **74** (1968) 1008–1012; Erratum *Ibid.* **75** (1969) 468.
 - [163] C. A. BERGER and L. A. COBURN, One-parameter semi-groups of isometries, *Bull. Amer. Math. Soc.* **76** (1970) 1115–1129.
 - [164] C. A. BERGER, L. A. COBURN and A. LEBOW, C^* -algebras generated by commuting isometries, I, *Bull. Amer. Math. Soc.* **81** (1975) 747–749.
 - [165] M. C. F. BERGLUND, Ideal C^* -algebras, *Duke Math. J.* **40** (1973) 241–257.
 - [166] E. BERKSON, Some characterizations of C^* -algebras, *Illinois J. Math.* **10** (1966) 1–8.
 - [167] E. BERKSON, Action of W^* -algebras in Banach spaces, *Math. Ann.* **189** (1970) 211–271.

- [168] E. BERKSON, Prehermitian elements and B^* -algebras, *Math. Ann.* **195** (1972) 192–198.
- [169] K. BICHTELER, A generalization to the non-separable case of Takesaki's-duality theorem for C^* -algebras, *Invent. Math.* **9** (1969) 89–98.
- [170] M. BILLIK, Idempotent Reynolds operators, *J. Math. Anal. Appl.* **18** (1967) 135–144.
- [171] I. D. BIRRELL, Maximal simple C^* -algebras, I, *Bull. London Math. Soc.* **6** (1974) 141–143.
- [172] I. D. BIRRELL, Maximal simple C^* -algebras, II, to appear.
- [173] R. J. BLATTNER, Automorphic group representations, *Pacific J. Math.* **8** (1958) 665–677.
- [174] H. F. BOHNENBLUST and S. KARLIN, Geometrical properties of the unit sphere of Banach algebras, *Ann. Math.* **62** (1955) 217–229.
- [175] F. F. BONSALL, Extreme maximal ideals of a partially ordered vector space, *Proc. Amer. Math. Soc.* **7** (1956) 831–837.
- [176] F. F. BONSALL, Operators that act compactly on an algebra of operators, *Bull. London Math. Soc.* **1** (1969) 163–170.
- [177] F. F. BONSALL and J. DUNCAN, *Numerical Ranges of Operators on Normed Spaces and of Elements of Normed Algebras*, London Math. Soc. Lecture Notes Ser. Vol. **2** (Cambridge Univ. Press, London, 1971).
- [178] F. F. BONSALL and M. J. CRABB, The spectral radius of a hermitian element of a Banach algebra, *Bull. London Math. Soc.* **2** (1970) 178–180.
- [179] F. F. BONSALL, J. LINDENSTRAUSS and R. R. PHELPS, Extreme positive operators on algebras of functions, *Math. Scand.* **18** (1966) 161–182.
- [180] H. J. BORCHERS, On the structure of the algebra of field operators, I, *Nuovo Cimento* **24** (1962) 214–236.
- [181] H. J. BORCHERS, On the structure of the algebra of field operators, II, *Commun. Math. Phys.* **1** (1965) 57–79.
- [182] H. J. BORCHERS, On the vacuum state in quantum field theory, II, *Commun. Math. Phys.* **1** (1965) 57–79.
- [183] H. J. BORCHERS, Local rings and the connection of spin with statistics, *Commun. Math. Phys.* **1** (1965) 281–307.
- [184] H. J. BORCHERS, Energy and momentum as observables in quantum field theory, *Commun. Math. Phys.* **2** (1966) 49–54.
- [185] H. J. BORCHERS, A remark on a theorem of B. Misra, *Commun. Math. Phys.* **4** (1967) 315–323.
- [186] H. J. BORCHERS, On the converse of the Reeh–Schlieder theorem, *Commun. Math. Phys.* **10** (1968) 269–273.
- [187] H. J. BORCHERS, On the implementability of automorphism groups, *Commun. Math. Phys.* **149** (1969) 305–314.
- [188] H. J. BORCHERS, Strongly continuous automorphism groups on C^* -algebras, *Carlgèse Lectures in Phys.* **4** (1970) 31–59.
- [189] H. J. BORCHERS, On groups of automorphisms with semi-bounded spectrum, in: *Colloq. sur les systèmes à un Nombre Infini de Degrés de Liberté* (CNRS, Paris, 1970) 125–142.
- [190] H. J. BORCHERS, Über C^* -Algebren mit lokalkompakten Symmetriegruppen, *Nachr. Akad. Wiss. Göttingen* (1973) 1–18.

- [191] H. J. BORCHERS, Über Ableitungen von C^* -Algebren, *Nachr. Akad. Wiss. Göttingen* (1973) 19–35.
- [192] H. J. BORCHERS, Characterization of inner *-automorphisms of W^* -algebras, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **10** (1974) 11–50.
- [193] H. J. BORCHERS, On fields of C^* -algebras, to appear.
- [194] A. BOREL, *Représentations de groupes localement compacts*, Lecture Notes in Math. **276** (Springer, Berlin, 1972).
- [195] O. BRATTELI, Conservation of estimates in quantum field theory, *Commun. Pure Appl. Math.* **25** (1972) 759–779.
- [196] O. BRATTELI, Inductive limits of finite-dimensional C^* -algebras, *Trans. Amer. Math. Soc.* **17** (1972) 195–234.
- [197] O. BRATTELI, Structure spaces of approximately finite-dimensional C^* -algebras, *J. Functional Anal.* **16** (1974) 192–204.
- [198] O. BRATTELI, Local norm convergence of states on the zero time Bose fields, to appear.
- [199] O. BRATTELI, The center of approximately finite-dimensional C^* -algebras, *J. Functional Anal.* **21** (1976) 195–202.
- [200] O. BRATTELI, Unbounded derivations of C^* -algebras, to appear.
- [201] O. BRATTELI, Self-adjointness of unbounded derivations on C^* -algebras, to appear.
- [202] O. BRATTELI and D. KASTLER, Relaxing the clustering condition in the derivation of the K.M.S. property, *Commun. Math. Phys.* **46** (1976) 37–42.
- [203] O. BRATTELI and D. ROBINSON, Unbounded derivations of C^* -algebras, *Commun. Math. Phys.* **42** (1975) 253–268.
- [204] O. BRATTELI and D. W. ROBINSON, Unbounded derivations of C^* -algebras, II, *Commun. Math. Phys.* **46** (1976) 11–30.
- [205] O. BRATTELI and D. W. ROBINSON, Unbounded derivations and invariant trace states, *Commun. Math. Phys.* **46** (1976) 31–36.
- [206] O. BRATTELI and D. W. ROBINSON, Unbounded derivations of Von Neumann algebras, to appear.
- [207] M. BREUER, A generalization of Kuiper's theorem to factors of type II_∞ , *J. Math. Mech.* **16** (1967) 917–926.
- [208] M. BREUER, Fredholm theories in Von Neumann algebras, I, *Math. Ann.* **178** (1968) 243–254.
- [209] M. BREUER, Fredholm theories in Von Neumann algebras, II, *Math. Ann.* **180** (1969) 313–325.
- [210] M. BREUER, On the homotopy type of the group of regular elements of semi-finite Von Neumann algebras, *Math. Ann.* **185** (1970) 61–74.
- [211] M. BREUER, Theory of Fredholm operators and vector bundles relative to a Von Neumann algebra, *Rocky Mountain J. Math.* **3** (1973) 383–429.
- [212] M. BREUER and R. S. BUTCHER, A generalized Riesz–Schauder decomposition theorem, *Math. Ann.* **203** (1973) 221–230.
- [213] O. L. BRITTON, Primitive ideals of twisted group algebras, *Trans. Amer. Math. Soc.* **202** (1975) 221–241.
- [214] M. BROISE, Sur certaines applications unitaires de l'espace des opérateurs de Hilbert–Schmidt, *C.R. Acad. Sci. Paris* **263** (1966) 722–725.
- [215] M. BROISE, Sur les isomorphismes de certaines algèbres de Von Neumann, *Ann.*

- Sci. Ecole Norm. Sup.* **83** (1966) 91–111.
- [216] M. BROISE, Sur les vecteurs séparateurs des algèbres de Von Neumann commutatives, *C.R. Acad. Sci. Paris* **264** (1967) 937–940.
- [217] M. BROISE, Sur les vecteurs séparateurs des algèbres de Von Neumann, *J. Functional Anal.* **1** (1967) 281–289.
- [218] M. BROISE, Commutateurs dans le groupe unitaire d'un facteur, *J. Math. Pures Appl.* **46** (1967) 299–312.
- [219] A. BROWN, The unitary equivalence of binormal operators, *Amer. J. Math.* **76** (1954) 414–434.
- [220] A. BROWN and C. PEARCY, Structure of commutators of operators, *Ann. Math.* **86** (1965) 112–127.
- [221] A. BROWN and C. PEARCY, Multiplicative commutators of operators, *Can. J. Math.* **18** (1966) 737–749.
- [222] A. BROWN and C. PEARCY, Commutators in factors of type III, *Can. J. Math.* **18** (1966) 1152–1160.
- [223] A. BROWN, C. PEARCY and N. SALINAS, Ideals of compact operators on Hilbert space, *Michigan Math. J.* **18** (1971) 373–384.
- [224] A. BROWN, C. PEARCY and D. TOPPING, Commutators and the strong radical, *Duke Math. J.* **35** (1968) 853–860.
- [225] L. G. BROWN, R. G. DOUGLAS and P. A. FILLMORE, Unitary equivalence modulo the compact operators and extensions of C^* -algebras, in: *Lecture Notes in Math.* **345** (Springer, Berlin, 1973) 58–128.
- [226] L. G. BROWN, R. G. DOUGLAS and P. A. FILLMORE, Extensions of C^* -algebras, operators with compact self-commutators, and K-homology, *Bull. Amer. Math. Soc.* **79** (1973) 973–978.
- [227] J. BRÜMING, Indextheorie für eine C^* -Algebra von Toeplitzoperatoren, *Math. Ann.* **216** (1975) 113–121.
- [228] D. BUCHHOLZ, Product states for local algebras, *Commun. Math. Phys.* **36** (1974) 287–304.
- [229] J. W. BUNCE, Characters on singly generated C^* -algebras, *Proc. Amer. Math. Soc.* **25** (1970) 297–303.
- [230] J. W. BUNCE, A note on two-sided ideals in C^* -algebras, *Proc. Amer. Math. Soc.* **28** (1971) 635.
- [231] J. W. BUNCE, The joint spectrum of commuting non normal operators, *Proc. Amer. Math. Soc.* (1971) 499–505.
- [232] J. W. BUNCE, Representations of strongly amenable C^* -algebras, *Proc. Amer. Math. Soc.* (1972) 241–246.
- [233] J. W. BUNCE, Irreducible representations of the C^* -algebra generated by a quasi-normal operator, *Trans. Amer. Math. Soc.* **183** (1973) 487–494.
- [234] J. W. BUNCE, Characterizations of amenable and strongly amenable C^* -algebras, *Pacific J. Math.* **43** (1973) 563–572.
- [235] J. W. BUNCE and J. A. DEDDENS, Irreducible representations of the C^* -algebra generated by an n -normal operator, *Trans. Amer. Math. Soc.* **171** (1972) 301–307.
- [236] J. W. BUNCE and J. A. DEDDENS, C^* -algebras generated by weighted shifts, *Indiana Univ. Math. J.* **23** (1973) 257–272.
- [237] J. W. BUNCE and J. A. DEDDENS, Subspace approximants and GCR operators, *Indiana Univ. Math. J.* **24** (1974) 341–349.

- [238] J. W. BUNCE and J. A. DEDDENS, A family of simple C^* -algebras related to weighted shift operators, *J. Functional Anal.* **19** (1975) 13–24.
- [239] J. W. BUNCE and J. A. DEDDENS, C^* -algebras with Hausdorff spectrum, *Trans. Amer. Math. Soc.* **212** (1975) 199–217.
- [240] J. W. BUNCE and N. SALINAS, Completely positive maps on C^* -algebras and the left matricial spectra of an operator, *Duke Math. J.* **43** (1976) 747–774.
- [241] D. BURES, Certain factors constructed as infinite tensor products, *Compositio Math.* **15** (1963) 169–191.
- [242] D. BURES, Tensor products of W^* -algebras, *Pacific J. Math.* **27** (1968) 13–37.
- [243] D. BURES, An extension of Kakutani's theorem on infinite product measures to the tensor product of semifinite W^* -algebras, *Trans. Amer. Math. Soc.* **135** (1969) 199–212.
- [244] D. BURES, Representations of infinite weak product groups, *Compositio Math.* **22** (1970) 7–18.
- [245] D. BURES, Abelian subalgebras of Von Neumann algebras, *Mem. Amer. Math. Soc.* **110** (1971).
- [246] R. C. BUSBY, On structure spaces and extensions of C^* -algebras, *J. Functional Anal.* **1** (1967) 370–377.
- [247] R. C. BUSBY, Double centralizers and extensions of C^* -algebras, *Trans. Amer. Math. Soc.* **132** (1968) 79–99.
- [248] R. C. BUSBY, On a theorem of Fell, *Proc. Amer. Math. Soc.* **30** (1971) 133–140.
- [249] R. C. BUSBY, On the equivalence of twisted group algebras and Banach $*$ -algebraic bundles, *Proc. Amer. Math. Soc.* **37** (1973) 142–148.
- [250] R. C. BUSBY and H. A. SMITH, Representations of twisted group algebras, *Trans. Amer. Math. Soc.* **149** (1970) 503–537.
- [251] R. B. BUTTS and P. PROCELLI, Multiplicity theory, *Studia Math.* **38** (1970) 391–405.
- [252] J. W. CALKIN, Two-sided ideals and congruences in the ring of bounded operators in Hilbert space, *Ann. Math.* **42** (1941) 839–873.
- [253] R. W. CAREY and J. D. PINCUS, Mosaics, principal functions, and mean motion in Von Neumann algebras, to appear.
- [254] J. M. CHAIKEN, Finite-particle representations and states of the canonical commutation relations, *Ann. Phys.* **42** (1967) 23–80.
- [255] J. M. CHAIKEN, Number operators for representations of the canonical commutation relations, *Commun. Math. Phys.* **8** (1968) 164–184.
- [256] E. CHEN, Continuity of automorphisms of quasi-local algebras, *J. Math. Phys.* **12** (1971) 591–593.
- [257] E. CHEN, Operator algebras and axioms of measurements, *J. Math. Phys.* **12** (1971) 2364–2371.
- [258] E. CHEN, Structure of simplexes of equilibrium states in quantum statistical mechanics, *J. Math. Phys.* **13** (1972) 1130–1135.
- [259] E. CHEN, Choquet simplexes of states in physical systems, *J. Math. Phys.* **15** (1974) 2022–2025.
- [260] W. M. CHING, Non-isomorphic non-hyperfinite factors, *Can. J. Math.* **21** (1969) 1293–1308.
- [261] W. M. CHING, A continuum of non-isomorphic non-hyperfinite factors, *Commun. Pure Appl. Math.* **23** (1970) 927–938.
- [262] W. M. CHING, Free products of Von Neumann algebras, *Trans. Amer. Math. Soc.*

- 178 (1973) 147–163.
- [263] W. M. CHING, Topologies on the quasi-spectrum of a C*-algebra, *Proc. Amer. Math. Soc.* **46** (1974) 273–276.
- [264] W. M. CHING and P. WILLIG, Non-asymptotically abelian factors of type III, *Proc. Amer. Math. Soc.* **34** (1972) 102–104.
- [265] H. CHODA, On automorphisms of abelian Von Neumann algebras, *Proc. Japan Acad.* **41** (1965) 280–283.
- [266] H. CHODA, On Maharam subfactors of finite factors, I, II, *Proc. Japan Acad.* **43** (1967) 451–455, 937–940.
- [267] H. CHODA, On the crossed product of abelian Von Neumann algebras, I, II, *Proc. Japan Acad.* **43** (1967) 111–116, 198–201.
- [268] H. CHODA, On Maharam subfactors of finite factors, II, *Proc. Japan Acad.* **43** (1967) 937–940.
- [269] H. CHODA, On extremal property of the polar decomposition in Von Neumann algebras, *Proc. Japan Acad.* **46** (1970) 341–344.
- [270] H. CHODA, On a simple representation of groups as outer automorphism groups of the hyperfinite II_1 -factor, *Mem. Osaka Kyoiku Univ.* **24** (1971) 113–115.
- [271] H. CHODA, On ergodic and abelian automorphism group of Von Neumann algebras, *Proc. Japan Acad.* **47** (1971) 982–985.
- [272] H. CHODA, On a decomposition of automorphisms of Von Neumann algebras, *Proc. Japan Acad.* **49** (1973) 809–811.
- [273] H. CHODA, A comment on the Galois theory for finite factors, *Proc. Japan Acad.* **50** (1974) 619–622.
- [274] H. CHODA, On freely acting automorphisms of operator algebras, *Kodai Math. Sem. Rep.* **26** (1974) 1–21.
- [275] H. CHODA and M. CHODA, Some remarks on Von Neumann algebras with an algebraic property, *Proc. Japan Acad.* **41** (1965) 71–72.
- [276] H. CHODA and M. ECHIGO, On theorems of Korovkin, *Proc. Japan Acad.* **39** (1963) 107–108.
- [277] H. CHODA and M. ECHIGO, A new algebraical property of certain Von Neumann algebras, *Proc. Japan Acad.* **39** (1963) 651–655.
- [278] H. CHODA and M. ECHIGO, Some remarks on Von Neumann algebras with the property Q, *Mem. Osaka Gakugei Univ.* **13** (1964) 13–21.
- [279] H. CHODA and M. ECHIGO, A remark on a construction of finite factors, I, II, *Proc. Japan Acad.* **40** (1964) 474–478, 479–481.
- [280] H. CHODA, Y. KIJIMA and Y. NAKAGAMI, Some extremal properties in the unit ball of Von Neumann algebras, *Kodai Math. Sem. Rep.* **21** (1969) 175–181.
- [281] H. CHODA and M. NAKAMURA, Elementary proofs of Gleason–Kahane–Zelasko’s theorem for B^* -algebras, *Mem. Osaka Kyoiku Univ.* **20** (1971) 111–112.
- [282] M. CHODA, On the conditional expectation of a partial isometry in a certain Von Neumann algebra, *Proc. Japan Acad.* **41** (1965) 277–279.
- [283] M. CHODA, A remark on the normal expectations, *Proc. Japan Acad.* **44** (1968) 462–466.
- [284] M. CHODA, A normal expectation and the tensor product of Von Neumann algebras—on Takesaki’s theorem, *Mem. Osaka Kyoiku Univ.* **20** (1971) 117–120.
- [285] M. CHODA, Abelian projection over a Von Neumann subalgebra, *Proc. Jap. Acad.* **48** (1972) 384–388.

- [286] M. CHODA. A Von Neumann algebra continuous over a Von Neumann algebra. *Proc. Japan Acad.* **49** (1973) 174–178.
- [287] M. CHODA. A remark on the normal expectations, II. *Proc. Japan Acad.* **49** (1973) 252–256.
- [288] M. CHODA. On types over Von Neumann subalgebras and Dye correspondence. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **9** (1973) 45–60.
- [289] M. CHODA. Shift automorphism groups of Von Neumann algebras. *Proc. Japan Acad.* **50** (1974) 470–475.
- [290] M. CHODA. Normal expectations and crossed products of Von Neumann algebras. *Proc. Japan Acad.* **50** (1974) 738–742.
- [291] M. CHODA. The fixed algebra of a Von Neumann algebra under an automorphism group. *Tôhoku Math. J.* **28** (1976) 227–234.
- [292] M. CHODA and H. CHODA. On extensions of automorphisms of abelian Von Neumann algebras. *Proc. Japan Acad.* **43** (1967) 295–299.
- [293] M. CHODA and H. CHODA. On the minimality of the polar decomposition in finite factors. *Proc. Japan Acad.* **44** (1968) 798–800.
- [294] M. CHODA and H. CHODA. Some characterizations of certain Von Neumann algebras. *Proc. Japan Acad.* **46** (1970) 1086–1090.
- [295] M. CHODA, I. KASAHARA and R. NAKAMOTO. Dependent elements of an automorphism of a C*-algebra. *Proc. Japan Acad.* **48** (1972) 561–565.
- [296] M. CHODA and M. NAKAMURA. A remark on the concept of channels. II. *Proc. Japan Acad.* **46** (1970) 932–935.
- [297] M. CHODA and M. NAKAMURA. A remark on the concept of channels, III: An algebraic theory of extended Toeplitz operators. *Proc. Japan Acad.* **47** (1971) 464–469.
- [298] C. CHO-HO, Prime faces in C*-algebras. *J. London Math. Soc.* **7** (1973) 175–180.
- [299] M. D. CHOI, Positive linear maps on C*-algebras. *Can. J. Math.* **24** (1972) 520–529.
- [300] M. D. CHOI. A Schwarz inequality for positive linear maps on C*-algebras. *Illinois J. Math.* **18** (1974) 565–574.
- [301] M. D. CHOI and E. G. EFFROS. Injectivity and operator spaces. *J. Functional Anal.* **24** (1977) 156–209.
- [302] M. D. CHOI and E. G. EFFROS. Nuclear C*-algebras and the approximation property, to appear.
- [303] M. D. CHOI and E. G. EFFROS. Separable nuclear C*-algebras and injectivity. *Duke Math. J.* **43** (1976) 309–322.
- [304] E. CHRISTENSEN. Noncommutative integration for monotone sequentially closed C*-algebras. *Math. Scand.* **31** (1972) 171–190.
- [305] E. CHRISTENSEN. Perturbations of type I Von Neumann algebras. *J. London Math. Soc.* **9** (1975) 395–405.
- [306] E. CHRISTENSEN. Perturbations of operator algebras, I. II, to appear.
- [307] C. CHO-HO. On convexity theory and C*-algebras. *Proc. London Math. Soc.* **31** (1975) 257–288.
- [308] R. CIRELLI, F. GALLONE and B. GUBBAY. An algebraic representation of continuous superselection rules. *J. Math. Phys.* **16** (1975) 201–213.
- [309] S. B. CLEVELAND. Homomorphisms of non-commutative *-algebras. *Pacific J. Math.* **13** (1963) 1097–1109.
- [310] L. A. COBURN. The C*-algebra generated by an isometry. *Bull. Amer. Math. Soc.* **73** (1967) 722–726.

- [311] L. A. COBURN, The C^* -algebra generated by an isometry, II, *Trans. Amer. Math. Soc.* **137** (1969) 211–217.
- [312] L. A. COBURN, C^* -algebras generated by semi-groups of isometries, in: *Hilbert Space Operators*, Colloq. Math. Soc. János Bolyai Vol. **5** (North-Holland, Amsterdam, 1970) 99–105.
- [313] L. A. COBURN and R. G. DOUGLAS, Translation operators on the half line, *Proc. Natl. Acad. Sci. U.S.A.* **62** (1969) 1010–1013.
- [314] L. A. COBURN and R. G. DOUGLAS, C^* -algebras of operators on a half space, I, *Publ. Math. I.H.E.S.* **40** (1971) 59–67.
- [315] L. A. COBURN, R. G. DOUGLAS, D. G. SCHAEFFER and I. M. SINGER, C^* -algebras of operators on a half space, II: Index theory, *Publ. Math. I.H.E.S.* **40** (1971) 69–79.
- [316] L. A. COBURN, R. G. DOUGLAS and I. M. SINGER, An index theorem for Wiener–Hopf operators on the discrete quarter-plane, *J. Differential Geometry* **6** (1972) 587–593.
- [317] L. A. COBURN and A. LEBOW, Components of invertible elements in quotient algebras of operators, *Trans. Amer. Math. Soc.* **130** (1968) 359–366.
- [318] L. A. COBURN, R. D. MOYER and I. M. SINGER, C^* -algebras of almost periodic pseudo-differential operators, *Acta Math.* **130** (1973) 279–307.
- [319] L. A. COBURN and M. SCHECHTER, Joint spectra and interpolation of operators, *J. Functional Anal.* **2** (1968) 226–237.
- [320] H. S. COLLINS and R. A. FONTENOL, Approximate identities and the strict topology, *Pacific J. Math.* **43** (1972) 63–79.
- [321] F. COMBES, Relations entre formes positives sur une C^* -algèbre, *C.R. Acad. Sci. Paris* **260** (1965) 5435–5438.
- [322] F. COMBES, Représentations d'une C^* -algèbre et formes linéaires positives, *C.R. Acad. Sci. Paris* **260** (1965) 5993–5996.
- [323] F. COMBES, Etude des représentations tracées d'une C^* -algèbre, *C. R. Acad. Sci. Paris* **262** (1966) 114–117.
- [324] F. COMBES, Sur les états factoriels d'une C^* -algèbre, *C.R. Acad. Sci. Paris* **265** (1967) 736–739.
- [325] F. COMBES, Etudes des poids définis sur une C^* -algèbre, *C.R. Acad. Sci. Paris* **265** (1967) 340–343.
- [326] F. COMBES, Poids sur une C^* -algèbre, *J. Math. Pures Appl.* **47** (1968) 57–100.
- [327] F. COMBES, Eléments semi-continus associés à une C^* -algèbre, *C.R. Acad. Sci. Paris* **267** (1968) 986–989.
- [328] F. COMBES, Sur les faces d'une C^* -algèbre, *Bull. Sci. Math.* **93** (1969) 37–62.
- [329] F. COMBES, Poids associé à une algèbre hilbertienne généralisés, *C.R. Acad. Sci. Paris* **270** (1970) 33–36.
- [330] F. COMBES, Quelques propriétés des C^* -algèbres, *Bull. Sci. Math.* **94** (1970) 165–192.
- [331] F. COMBES, Poids et espérances conditionnelles dans les algèbres de Von Neumann, *Bull. Soc. Math. France* **99** (1971) 73–112.
- [332] F. COMBES, Poids associé à une algèbre hilbertienne à gauche, *Compositio. Math.* **23** (1971) 49–77.
- [333] F. COMBES and C. DELAROCHE, Groups modulaire d'une espérance conditionnelle dans une algèbre de von Neumann, *Bull. Soc. Math. France* **103** (1975) 385–426.
- [334] F. COMBES and F. PERDRIZET, Certains idéaux dans les espaces vectoriels

- ordonnés, *C.R. Acad. Sci. Paris* **268** (1969) 1552–1555.
- [335] F. COMBES and F. PERDRIZET, Certains idéaux dans les espaces vectoriels ordonnés, *J. Math. Pures Appl.* **49** (1970) 29–59.
- [336] A. CONNES, Un nouvel invariant pour les algèbres de Von Neumann, *C.R. Acad. Sci. Paris* **273** (1971) 900–903.
- [337] A. CONNES, Calcul des deux invariants d'Araki et Woods par la théorie de Tomita et Takesaki, *C.R. Acad. Sci. Paris* **274** (1972) 175–177.
- [338] A. CONNES, Etats presque-périodiques sur une algèbre de Von Neumann, *C.R. Acad. Sci. Paris* **274** (1972) 1402–1405.
- [339] A. CONNES, Groupe modulaire d'une algèbre de Von Neumann, *C.R. Acad. Sci. Paris* **274** (1972) 1923–1926.
- [340] A. CONNES, Une classification des facteurs de type III, *C.R. Acad. Sci. Paris* **275** (1972) 523–525.
- [341] A. CONNES, Une classification des facteurs de type III, *Ann. Ecole Norm. Sup.* **6** (1973) 133–252.
- [342] A. CONNES, Sur le théorème de Radon–Nikodym pour les poids normaux fidèles semi-finis, *Bull. Sci. Math.* **97** (1973) 253–258.
- [343] A. CONNES, Almost periodic states and factors of type III_1 , *J. Functional Anal.* **16** (1974) 415–445.
- [344] A. CONNES, Caractérisation des espaces vectoriels ordonnés sous-jacents aux algèbres de Von Neumann, *Ann. Inst. Fourier* **24** (1974) 121–155.
- [345] A. CONNES, On hyperfinite factors of type III_0 and Krieger's factors, *J. Functional Anal.* **18** (1975) 318–327.
- [346] A. CONNES, A factor not anti-isomorphic to itself, *Ann. Math.* **101** (1975) 536–554.
- [347] A. CONNES, A factor not anti-isomorphic to itself, *Bull. London Math. Soc.* **7** (1975) 171–174.
- [348] A. CONNES, Sur la classification des facteurs de type II, *C.R. Acad. Sci. Paris* **281** (1975) 13–15.
- [349] A. CONNES, On the hierarchy of W. Krieger, *Illinois J. Math.* **19** (1975) 428–432.
- [350] A. CONNES, Periodic automorphisms of the hyperfinite factor of type II_1 , to appear.
- [351] A. CONNES, Classification of automorphisms of hyperfinite factors of type II_1 and II_∞ , and application to type III factors, *Bull. Amer. Math. Soc.* **81** (1975) 1090–1095.
- [352] A. CONNES, Outer conjugacy classes of automorphisms of factors, *Ann. Sci. Ec. Norm. Sup.* **8** (1975) 383–420.
- [353] A. CONNES, Classification of injective factors; cases II_1 , II_∞ , III_λ , $\lambda \neq 1$, *Ann. Math.* **104** (1976) 73–115.
- [354] A. CONNES, P. GHEZ, R. LIMA, D. TESTARD and E. J. WOODS, Review of “Crossed product of Von Neumann algebras”, mimeographed.
- [355] A. CONNES and E. STORMER, Entropy for automorphisms of II_1 Von Neumann algebras, *Acta Math.* **134** (1975) 289–306.
- [356] A. CONNES and M. TAKESAKI, Flot des poids sur les facteurs de type III, *C.R. Acad. Sci. Paris* **278** (1974) 945–948.
- [357] A. CONNES and M. TAKESAKI, The flow of weights on factors of type III, to appear.
- [358] A. CONNES and A. VAN DAELÉ, The group property of the invariant S of Von Neumann algebras, *Math. Scand.* **32** (1973) 187–192.
- [359] A. CONNES and E. J. WOODS, Existence de facteurs infinis asymptotiquement

- abéliens, *C.R. Acad. Sci. Paris* **279** (1974) 189–191.
- [360] J. B. CONWAY, The numerical range and a certain convex set in an infinite factor, *J. Functional Anal.* **5** (1970) 428–435.
- [361] J. B. CONWAY, On the Calkin algebra and the covering homotopy property, *Trans. Amer. Math. Soc.* **211** (1975) 135–142.
- [362] J. B. CONWAY, Multipliers of matroid C^* -algebras, to appear.
- [363] J. B. CONWAY and J. SZÜCS, The weak sequential closure of certain sets of extreme points in a Von Neumann algebra, *Indiana Univ. Math. J.* **22** (1973) 763–768.
- [364] H. O. CORDES, On a class of C^* -algebras, *Math. Ann.* **170** (1967) 283–313.
- [365] H. O. CORDES, On a generalized Fredholm theory, *J. Reine Angew. Math.* **227** (1967) 121–149.
- [366] H. O. CORDES, An algebra of singular integral operators with two symbol homomorphisms, *Bull. Amer. Math. Soc.* **75** (1969) 37–42.
- [367] A. CORDESSÉ and G. RIDEAU, On some representations of anti-commutation relations, I, II, III, *Nuovo Cimento* **45** (1966) 1–14, **46** (1966) 624–636, **50** (1967) 244–255.
- [368] M. COURBAGE, S. MIRACLE-SOLE and D. W. ROBINSON, Normal states and representations of the canonical commutation relations, *Ann. Inst. H. Poincaré (A)* **14** (1971) 171–178.
- [369] I. G. CRAW, Axiomatic cohomology of operator algebras, *Bull. Soc. Math. France* **100** (1972) 449–460.
- [370] I. CUCULESCU, A proof of $(A \otimes B)' = A' \otimes B'$ for Von Neumann algebras, *Rev. Roumaine Math. Pures Appl.* **16** (1971) 665–670.
- [371] I. CUCULESCU, Martingales on Von Neumann algebras, *J. Multivariate Anal.* **1** (1971) 17–27.
- [372] J. CUNTZ, Locally C^* -equivalent algebras, *J. Functional Anal.* **23** (1976) 95–106.
- [373] J. CUNTZ, On the continuity of semi-norms on operator algebras, *Math. Ann.* **220** (1976) 171–183.
- [374] DANG NGOC NGHIEM, Σ^* -algèbres, probabilités non commutatives et applications, *Mém. Soc. Math. France* **35** (1973) 145–189.
- [375] DANG NGOC NGHIEM, Sur la classification des systèmes dynamiques non commutatifs, *J. Functional Anal.* **15** (1974) 188–201.
- [376] DANG NGOC NGHIEM, On the integral representation of states on a C^* -algebra, *Commun. Math. Phys.* **40** (1975) 223–233.
- [377] DANG NGOC NGHIEM, Décomposition et classification des systèmes dynamiques, *Bull. Soc. Math. France* **103** (1975) 149–175.
- [378] DANG NGOC NGHIEM, Plancherel measure for type I traces, to appear.
- [379] DANG NGOC NGHIEM, Integral of semi-finite traces and σ -finite measures, to appear.
- [380] DANG NGOC NGHIEM, Produits croisés restreints et extensions de groupes, to appear.
- [381] DANG NGOC NGHIEM and F. LEDRAPPIER, Sur les systèmes dynamiques simpliciaux, *C.R. Acad. Sci. Paris* **277** (1973) 777–779.
- [382] W. F. DARSOW, Positive definite functions and states, *Ann. Math.* **60** (1954) 447–453.
- [383] R. B. DARST, On a theorem of Nikodym with applications to weak convergence and Von Neumann algebras, *Pacific J. Math.* **23** (1967) 473–477.

- [384] R. B. DARST, On a theorem of Nikodym with applications to weak convergence and Von Neumann algebras, *Bull. Amer. Math. Soc.* **74** (1968) 283–284.
- [385] J. DAUNS, Multipliers rings and primitive ideals, *Trans. Amer. Math. Soc.* **145** (1969) 125–158.
- [386] J. DAUNS, Categorical W^* -tensor product, *Trans. Amer. Math. Soc.* **166** (1972) 439–456.
- [387] J. DAUNS, The primitive ideal space of a C^* -algebra, *Can. J. Math.* **26** (1974) 42–49.
- [388] J. DAUNS and K. H. HOFMANN, Representations of rings by section, *Mem. Amer. Math. Soc.* **83** (1968).
- [389] J. DAUNS and K. H. HOFMANN, Spectral theory of algebras and adjunction of identity, *Math. Ann.* **179** (1969) 175–202.
- [390] E. B. DAVIES, On the Borel structure of C^* -algebras (with an appendix by R.V. Kadison), *Commun. Math. Phys.* **8** (1968) 147–163.
- [391] E. B. DAVIES, Decomposition of traces on separable C^* -algebras, *Quarterly J. Math.* **20** (1969) 97–111.
- [392] E. B. DAVIES, The structure of Σ^* -algebras, *Quarterly J. Math.* **20** (1969) 351–366.
- [393] E. B. DAVIES, Involutory automorphisms of operator algebras, *Trans. Amer. Math. Soc.* **158** (1971) 115–142.
- [394] C. DAVIS, Generators of the ring of bounded operators, *Proc. Amer. Math. Soc.* **6** (1955) 970–972.
- [395] C. DAVIS, A. Schwartz inequality for convex operator functions, *Proc. Amer. Math. Soc.* **8** (1957) 42–44.
- [396] C. DAVIS, Various averaging operations onto subalgebras, *Illinois J. Math.* **3** (1959) 538–553.
- [397] C. DAVIS, Operator-valued entropy of a quantum-mechanical measurement, *Proc. Japan Acad.* **37** (1961) 533–538.
- [398] G. DE BARRA, An inner measure associated with a Von Neumann algebra, *Proc. Cambridge Philos. Soc.* **64** (1968) 645–650.
- [399] G. DE BARRA, A class of measurable sets associated with a Von Neumann algebra, *J. London Math. Soc.* **5** (1972) 123–126.
- [400] J. C. DEEL, Derivations of AW^* -algebras, *Proc. Amer. Math. Soc.* **42** (1974) 85–95.
- [401] A. DE KORVIN, Normal expectations in Von Neumann algebras, *Pacific J. Math.* **27** (1968) 333–338.
- [402] A. DE KORVIN, Expectations in Von Neumann algebras, *Bull. Amer. Math. Soc.* **74** ((1968) 912–914.
- [403] A. DE KORVIN, Stable maps and Schwartz maps, *Trans. Amer. Math. Soc.* **148** (1970) 283–291.
- [404] A. DE KORVIN, Complete sets of expectation on Von Neumann algebra, *Quart. J. Math.* **22** (1971) 135–142.
- [405] A. DE KORVIN and R. J. EASTON, Expectations on B^* -algebras, *J. Reine Angew. Math.* **251** (1971) 1–6.
- [406] P. DE LA HARPE and M. KAROUBI, Perturbations compactes des représentations d'un groupe dans un espace de Hilbert, *C.R. Acad. Sci. Paris* **281** (1975) 901–904.
- [407] C. DELAROCHE, Sur les centre des C^* -algèbres, *C.R. Acad. Sci. Paris* **255** (1967) 465–466.
- [408] C. DELAROCHE, Sur les centres des C^* -algèbres, *Bull. Sci. Math.* **91** (1967) 105–112.

- [409] C. DELAROCHE, Sur les centres des C^* -algèbres, II, *Bull. Sci. Math.* **92** (1968) 111–128.
- [410] C. DELAROCHE, Spectres des extensions de C^* -algèbres, *C.R. Acad. Sci. Paris* **269** (1969) 1003–1005.
- [411] C. DELAROCHE, Limites et valeurs d'adhérence d'un filtre sur le spectre d'une C^* -algèbre, *C.R. Acad. Sci. Paris* **271** (1970) 434–437.
- [412] C. DELAROCHE, Sur les extensions des C^* -algèbres, *C.R. Acad. Sci. Paris* **272** (1971) 727–730.
- [413] C. DELAROCHE, Extensions des C^* -algèbres, *Bull. Soc. Math. France Suppl.* **29** (1972).
- [414] G. F. DELL'ANTONIO, On some groups of automorphisms of physical observables, *Commun. Math. Phys.* **2** (1966) 384–397.
- [415] G. F. DELL'ANTONIO, On the limits of sequences of normal states, *Commun. Pure Appl. Math.* **20** (1967) 413–429.
- [416] G. F. DELL'ANTONIO, Structure of the algebras of some free systems, *Commun. Math. Phys.* **9** (1968) 81–117.
- [417] G. F. DELL'ANTONIO, Role of automorphisms in abstract field theory, in: *Proc. Intern. Sem. on Elementary Particle Theory, Varna* (1968) 44–67.
- [418] G. F. DELL'ANTONIO, Can local gauge transformations be implemented? *J. Math. Phys.* **12** (1974) 148–156.
- [419] G. F. DELL'ANTONIO and S. DOPPLICHER, Total number of particles and Fock representation, *J. Math. Phys.* **8** (1967) 663–666.
- [420] G. F. DELL'ANTONIO, S. DOPPLICHER and D. RUELLE, A theorem on canonical commutation and anticommutation relations, *Commun. Math. Phys.* **2** (1966) 223–230.
- [421] A. DERIGHETTI, Some results on the Fourier–Stieltjes algebra of a locally compact group, *Comment. Math. Helv.* **45** (1970) 219–228.
- [422] T. DIGERNES, On classes of projections in a Von Neumann algebra, *Math. Scand.* **31** (1972) 191–200.
- [423] T. DIGERNES, A new characterisation of separable GCR-algebras, *Proc. Amer. Math. Soc.* **36** (1972) 448–450.
- [424] T. DIGERNES, Poids dual sur un produit croisé, *C.R. Acad. Sci. Paris* **278** (1974) 937–940.
- [425] T. DIGERNES and H. HALPERN, On open projections of GCR-algebras, *Can. J. Math.* **24** (1972) 978–982.
- [426] J. DIXMIER, Mesure de Haar et trace d'un opérateur, *C.R. Acad. Sci. Paris* **228** (1949) 152–154.
- [427] J. DIXMIER, Les anneaux d'opérateurs de classe finie, *Ann. Sci. Ecole Norm. Sup.* **66** (1949) 209–261.
- [428] J. DIXMIER, Les fonctionnelles linéaires sur l'ensemble des opérateurs bornés d'un espace de Hilbert, *Ann. Math.* **51** (1950) 387–408.
- [429] J. DIXMIER, Application dans les anneaux d'opérateurs, *C.R. Acad. Sci. Paris* **230** (1950) 607–608.
- [430] J. DIXMIER, Sur certains espaces considérés par M. H. Stone, *Summa Brasil. Math.* **2** (1951) 151–182.
- [431] J. DIXMIER, Sur la réduction des anneaux d'opérateurs, *Ann. Sci. Ecole Norm. Sup.* **68** (1951) 185–202.

- [432] J. DIXMIER, Algèbres quasi-unitaires, *C.R. Acad. Sci. Paris* **233** (1951) 837–839.
- [433] J. DIXMIER, Applications dans les anneaux d'opérateurs, *Compositio Math.* **10** (1952) 1–55.
- [434] J. DIXMIER, Algèbres quasi-unitaires, *Comment. Math. Helv.* **26** (1952) 275–322.
- [435] J. DIXMIER, Remarques sur les applications, *Arch. Math. (Basel)* **3** (1952) 290–297.
- [436] J. DIXMIER, Formes linéaires sur un anneau d'opérateurs, *Bull. Soc. Math. France* **81** (1953) 9–39.
- [437] J. DIXMIER, Sous-anneaux abéliens maximaux dans les facteurs de type fini, *Ann. Math.* **59** (1954) 279–296.
- [438] J. DIXMIER, Sur les anneaux d'opérateurs dans les espaces hilbertiens, *C.R. Acad. Sci. Paris* **238** (1954) 439–441.
- [439] J. DIXMIER, Sur les représentations unitaires des groupes de Lie algébriques, *Ann. Inst. Fourier* **7** (1957) 315–328.
- [440] J. DIXMIER, Sur les représentations unitaires des groupes de Lie nilpotents, IV, *Can. J. Math.* **11** (1959) 321–344.
- [441] J. DIXMIER, Sur les représentations unitaires des groupes de Lie nilpotents, V, *Bull. Soc. Math. France* **87** (1959) 65–79.
- [442] J. DIXMIER, Sur les représentations unitaires des groupes de Lie nilpotents, VI, *Can. J. Math.* **12** (1960) 324–352.
- [443] J. DIXMIER, Sur les C*-algèbres, *Bull. Soc. Math. France* **88** (1960) 95–112.
- [444] J. DIXMIER, Sur les structures boréliennes du spectre d'une C*-algèbre, *Publ. Inst. Hautes Etudes Sci.* **6** (1960) 297–303.
- [445] J. DIXMIER, Représentations intégrables du groupe de De Sitter, *Bull. Soc. Math. France* **89** (1961) 9–41.
- [446] J. DIXMIER, Points isolés dans le dual d'un groupe localement compact, *Bull. Sci. Math.* **85** (1961) 91–96.
- [447] J. DIXMIER, Points séparés dans le spectre d'une C*-algèbre, *Acta Sci. Math. Szeged* **22** (1961) 115–128.
- [448] J. DIXMIER, Sur les représentations unitaires des groupes de Lie résolubles, *Math. J. Okayama Univ.* **11** (1962) 1–18.
- [449] J. DIXMIER, Dual et quasi-dual d'une algèbre de Banach involutie, *Trans. Amer. Math. Soc.* **104** (1962) 278–283.
- [450] J. DIXMIER, Champs continus d'espaces hilbertiens et de C*-algèbres, *J. Math. Pures Appl.* **42** (1963) 1–20.
- [451] J. DIXMIER, Quasi-dual d'un idéal dans une C*-algèbre, *Bull. Sci. Math.* **87** (1963) 7–11.
- [452] J. DIXMIER, Traces sur les C*-algèbres, *Ann. Inst. Fourier* **13** (1963) 219–262.
- [453] J. DIXMIER, Traces sur les C*-algèbres. II, *Bull. Sci. Math.* **88** (1964) 39–57.
- [454] J. DIXMIER, Utilisation des facteurs hyperfinis dans la théorie des C*-algèbres, *C.R. Acad. Sci. Paris* **258** (1964) 4184–4187.
- [455] J. DIXMIER, Existence de traces non normales, *C.R. Acad. Sci. Paris* **262** (1966) 1107–1108.
- [456] J. DIXMIER, On some C*-algebras considered by Glimm, *J. Functional Anal.* **1** (1967) 182–203.
- [457] J. DIXMIER, Sur les automorphismes des algèbres de Banach, *C.R. Acad. Sci. Paris* **264** (1967) 729–731.
- [458] J. DIXMIER, Ideal center of a C*-algebra, *Duke Math. J.* **35** (1968) 375–382.

- [459] J. DIXMIER, Localization of a theorem of Glimm, *Proc. Amer. Math. Soc.* **19** (1968) 364–366.
- [460] J. DIXMIER, Quelques propriétés des suites centrales dans les facteurs de type II₁, *Invent. Math.* **7** (1969) 215–225.
- [461] J. DIXMIER, Sur les groupes d'automorphismes normiquement continus des C*-algèbres, *C.R. Acad. Sci. Paris* **269** (1969) 643–644.
- [462] J. DIXMIER, *Les Algèbres d'Opérateurs dans l'Espace Hilbertien*, 2nd ed. (Gauthier-Villars, Paris, 1969).
- [463] J. DIXMIER and A. DOUADY, Champs continus d'espaces hilbertiens et de C*-algèbres, *Bull. Soc. Math. France* **91** (1963) 227–284.
- [464] J. DIXMIER and E. C. LANCE, Deux nouveaux facteurs de type II₁, *Invent. Math.* **7** (1969) 226–234.
- [465] J. DIXMIER and O. MARECHAL, Vecteurs totalisateurs d'une algèbre de Von Neumann, *Commun. Math. Phys.* **22** (1971) 44–50.
- [466] P. G. DIXON, Generalized B*-algebras, *Proc. London Math. Soc.* **21** (1970) 693–715.
- [467] P. G. DIXON, Unbounded operator algebras, *Proc. London Math. Soc.* **23** (1971) 53–69.
- [468] DON DECKARD and C. PEARCY, On matrices over the ring of continuous complex-valued functions on a Stonian space, *Proc. Amer. Math. Soc.* **14** (1963) 322–328.
- [469] DON DECKARD and C. PEARCY, On continuous matrix-valued functions on a Stonian space, *Pacific J. Math.* **14** (1964) 857–869.
- [470] A. H. DOOLEY, The spectral theory of posets and its applications to C*-algebras, *Trans. Amer. Math. Soc.* **224** (1976) 143–156.
- [471] S. DOPPLICHER, An algebraic spectrum condition, *Commun. Math. Phys.* **1** (1965) 1–5.
- [472] S. DOPPLICHER, Superselection rules and fields from local observables, in: Cargèse Lectures in Phys. **4** (1970) 79–93.
- [473] S. DOPPLICHER, A remark on a theorem of Powers and Sakai, *Commun. Math. Phys.* **45** (1975) 59–61.
- [474] S. DOPPLICHER, R. HAAG and J. E. ROBERTS, Fields, observables and gauge transformations, I, II, *Commun. Math. Phys.* **13** (1969) 1–23, **15** (1969) 173–200.
- [475] S. DOPPLICHER, R. HAAG and J. E. ROBERTS, Local observables and particle statistics, I, II, *Commun. Math. Phys.* **23** (1971) 199–230, **35** (1974) 48–85.
- [476] S. DOPPLICHER, R. V. KADISON, D. KASTLER and D. W. ROBINSON, Asymptotically abelian systems, *Commun. Math. Phys.* **6** (1967) 101–120.
- [477] S. DOPPLICHER and D. KASTLER, Ergodic states in a non-commutative ergodic theory, *Commun. Math. Phys.* **7** (1968) 1–20.
- [478] S. DOPPLICHER, D. KASTLER and D. W. ROBINSON, Covariance algebras in field theory and statistical mechanics, *Commun. Math. Phys.* **3** (1966) 1–28.
- [479] S. DOPPLICHER, D. KASTLER and E. STØRMER, Invariant states and asymptotic abelianness, *J. Functional Anal.* **3** (1969) 419–434.
- [480] S. DOPPLICHER and R. T. POWERS, On the simplicity of the even CAR algebra and free field models, *Commun. Math. Phys.* **7** (1968) 77–79.
- [481] S. DOPPLICHER and J. E. ROBERTS, Fields, statistics and non-abelian gauge groups, *Commun. Math. Phys.* **28** (1972) 331–348.

- [482] D. DOPPING, Vector lattices of self-adjoint operators, *Bull. Amer. Math. Soc.* **69** (1963) 251–255.
- [483] R. G. DOUGLAS, On operators similar to normal operators, *Rev. Roumaine Math. Pures Appl.* **14** (1969) 193–197.
- [484] R. G. DOUGLAS, On the C^* -algebra of a one-parameter semi-group of isometries, *Acta Math.* **128** (1972) 143–151.
- [485] R. G. DOUGLAS and R. HOWE, On the C^* -algebra of Toeplitz operators on the quarter plane, *Trans. Amer. Math. Soc.* **158** (1971) 203–217.
- [486] R. G. DOUGLAS and C. PEARCY, Von Neumann algebras with a single generator, *Michigan Math. J.* **16** (1969) 21–26.
- [487] R. G. DOUGLAS and D. M. TOPPING, Operators whose squares are zero, *Rev. Roumaine Math. Pures Appl.* **12** (1967) 647–652.
- [488] H. R. DOWSON, On an unstarred operator algebra, *J. London Math. Soc.* **5** (1972) 489–492.
- [489] W. DRIESSLER, Comments on lightlike translations and applications in relativistic quantum field theory, *Commun. Math. Phys.* **44** (1975) 133–141.
- [490] M. DUBOIS-VIOLETTE, A generalization of the classical moment problem on $*$ -algebras with applications to relativistic quantum theory, I, *Commun. Math. Phys.* **43** (1975) 225–254.
- [491] J. DUNCAN, The continuity of the involution in Banach $*$ -algebras, *J. London Math. Soc.* **41** (1966) 701–706.
- [492] N. DUNFORD, Resolution of the identity for cominutative B^* -algebras of operators, *Acta. Sci. Math. Szeged* **12** (1950) 51–56.
- [493] C. F. DUNKL and D. E. RAMIREZ, C^* -algebras generated by measures, *Bull. Amer. Math. Soc.* **77** (1971) 411–412.
- [494] M. J. DUPRÉ, Classifying Hilbert bundles, *J. Functional Anal.* **15** (1974) 244–278.
- [495] M. J. DUPRÉ, Hilbert bundles with infinite-dimensional fibres, *Mem. Amer. Math. Soc.* **148** (1974) 165–176.
- [496] M. J. DUPRÉ, Classifying Hilbert bundles, II, to appear.
- [497] M. J. DUPRÉ, Cohomology for classifying categories of Banach bundles, to appear.
- [498] H. A. DYE, The Radon–Nikodym theorem for finite rings of operators, *Trans. Amer. Math. Soc.* **72** (1952) 243–280.
- [499] H. A. DYE, The unitary structure in finite rings of operators, *Duke Math. J.* **20** (1953) 55–69.
- [500] H. A. DYE, On the geometry of projections in certain operator algebras, *Ann. Math.* **61** (1955) 73–89.
- [501] H. A. DYE, On groups of measure-preserving transformations, I, *Amer. J. Math.* **81** (1959) 119–159.
- [502] H. A. DYE, On groups of measure-preserving transformations, II, *Amer. J. Math.* **85** (1963) 551–576.
- [503] M. ECHIGO and M. NAKAMURA, A remark on the concept of channels, *Proc. Japan Acad.* **38** (1962) 307–309.
- [504] J. P. ECKMANN and K. OSTERWALDER, An application of Tomita’s theory of modular Hilbert algebras: duality for free Bose fields, *J. Functional Anal.* **13** (1973) 1–12.
- [505] G. EDGAR, J. ERNEST and S. G. LEE, Weighting operator spectre, to appear.
- [506] C. M. EDWARDS, C^* -algebras of central group extensions, I, *Ann. Inst. H. Poincaré (A)* **10** (1969) 229–246.

- [507] C. M. EDWARDS, The operational approach to algebraic quantum theory, I, *Commun. Math. Phys.* **16** (1970) 207–230.
- [508] E. G. EFFROS, Order ideals in a C^* -algebra, *Duke Math. J.* **30** (1963) 391–412.
- [509] E. G. EFFROS, A decomposition theory for representations of C^* -algebras, *Trans. Amer. Math. Soc.* **107** (1963) 83–106.
- [510] E. G. EFFROS, Order ideals in a C^* -algebra and its dual, *Duke Math. J.* **30** (1963) 391–412.
- [511] E. G. EFFROS, Transformation groups and C^* -algebras, *Ann. Math.* **81** (1965) 38–55.
- [512] E. G. EFFROS, The Borel space of Von Neumann algebras on a separable Hilbert space, *Pacific J. Math.* **15** (1965) 1153–1164.
- [513] E. G. EFFROS, Global structure in Von Neumann algebras, *Trans. Amer. Math. Soc.* **21** (1966) 434–454.
- [514] E. G. EFFROS, The canonical measures for separable C^* -algebras, *Amer. J. Math.* **92** (1970) 56–60.
- [515] E. G. EFFROS, Property Γ and inner amenability, *Proc. Amer. Math. Soc.* **47** (1975) 483–486.
- [516] E. G. EFFROS and F. HAHN, Locally compact transformation groups and C^* -algebras, *Bull. Amer. Math. Soc.* **73** (1967) 222–226.
- [517] E. G. EFFROS and F. HAHN, Locally compact transformation groups and C^* -algebras, *Mem. Amer. Math. Soc.* **75** (1967).
- [518] E. G. EFFROS and E. C. LANCE, Tensor product of operators algebras, to appear.
- [519] E. G. EFFROS and S. STØRMER, Jordan algebras of self-adjoint operators, *Trans. Amer. Math. Soc.* **127** (1967) 313–316.
- [520] L. EHRENPREIS and F. I. MAUTNER, Some properties of the Fourier transform on semi-simple Lie groups, *Ann. Math.* **61** (1955) 406–439.
- [521] L. EHRENPREIS and F. I. MAUTNER, Some properties of the Fourier transform on semi-simple Lie groups, II, *Trans. Amer. Math. Soc.* **84** (1957) 1–55.
- [522] L. EHRENPREIS and F. I. MAUTNER, Some properties of the Fourier transform on semi-simple Lie groups, III, *Trans. Amer. Math. Soc.* **90** (1959) 431–484.
- [523] K. E. EKMAN, Indices on C^* -algebras through representations in the Calkin algebra, *Duke Math. J.* **41** (1974) 413–432.
- [524] G. A. ELLIOTT, Derivations of matroid C^* -algebras, *Invent. Math.* **9** (1970) 253–269.
- [525] G. A. ELLIOTT, A weakening of the axioms for a C^* -algebra, *Math. Ann.* **189** (1970) 257–260.
- [526] G. A. ELLIOTT, An extension of some results of Takesaki in the reduction theory of Von Neumann algebras, *Pacific J. Math.* **39** (1972) 145–148.
- [527] G. A. ELLIOTT, Ideal-preserving automorphisms of postliminary C^* -algebras, *Proc. Amer. Math. Soc.* **27** (1971) 107–109.
- [528] G. A. ELLIOTT, Another weak Stone–Weierstrass theorem for C^* -algebras, *Can. Math. Bull.* **15** (1972) 355–358.
- [529] G. A. ELLIOTT, Convergence of automorphisms in certain C^* -algebras, *J. Functional Anal.* **11** (1972) 204–206.
- [530] G. A. ELLIOTT, Some C^* -algebras with outer derivations, *Rocky Mountains J. Math.* **3** (1973) 501–506.
- [531] G. A. ELLIOTT, Perspectivity in the projection lattice of an AW*-algebra, *Bull. Amer. Math. Soc.* **38** (1973) 367–368.

- [532] G. A. ELLIOTT, Derivations of matroid C*-algebras, II, *Ann. Math.* **100** (1974) 407–422.
- [533] G. A. ELLIOTT, Some C*-algebras with outer derivations, II, *Can. J. Math.* **26** (1974) 185–189.
- [534] G. A. ELLIOTT, On lifting and extending derivations of approximately finite-dimensional C*-algebras, *J. Functional Anal.* **17** (1974) 395–408.
- [535] G. A. ELLIOTT, Derivations determined by multipliers on ideals of a C*-algebra, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **10** (1975) 721–728.
- [536] G. A. ELLIOTT, Finite projections in tensor product Von Neumann algebras, *Trans. Amer. Math. Soc.* **212** (1975) 47–60.
- [537] G. A. ELLIOTT, On the classification of inductive limits of sequences of semi-simple finite-dimensional algebras, to appear.
- [538] G. A. ELLIOTT, On derivations of AW*-algebras, to appear.
- [539] G. A. ELLIOTT, Automorphisms determined by multipliers on ideals of a C*-algebra, *J. Functional Anal.* **23** (1976) 1–10.
- [540] G. A. ELLIOTT, On the Radon–Nikodym derivative with a chain rule, to appear.
- [541] G. A. ELLIOTT, An abstract Dauns–Hofmann–Kaplansky multiplier theorem, *Can. J. Math.* **27** (1975) 827–836.
- [542] G. A. ELLIOTT, The Mackey–Borel structure on the spectrum of an approximately finite-dimensional separable C*-algebra, to appear.
- [543] G. A. ELLIOTT and D. OLESEN, A simple proof of the Dauns–Hofmann theorem, *Math. Scand.* **34** (1974) 231–234.
- [544] A. J. ELLIS, Some applications of convexity theory to Banach algebras, *Math. Scand.* **33** (1973) 23–30.
- [545] A. J. ELLIS, Central decomposition for compact convex sets, *Compositio Math.* **30** (1975) 211–219.
- [546] M. R. EMBRY, Self-adjoint strictly cyclic operator algebras, *Pacific J. Math.* **52** (1974) 53–57.
- [547] G. G. EMCH, *Algebraic Methods in Statistical Mechanics and Quantum Field Theory* (Wiley-Interscience, New York, 1972).
- [548] M. ENOCK, Produit croisé d'une algèbre de Von Neumann par une algèbre de Kac, to appear.
- [549] M. ENOCK and J. M. SCHWARTZ, Une dualité dans les algèbres de Von Neumann, *C. R. Acad. Sci. Paris* **277** (1973) 683–685.
- [550] M. ENOCK and J. M. SCHWARTZ, Une catégorie d'algèbres de Kac, *C. R. Acad. Sci. Paris* **279** (1974) 643–645.
- [551] M. ENOCK and J. M. SCHWARTZ, Une dualité dans les algèbres de Von Neumann, *Bull. Soc. Math. France, Suppl., Mém.* **44** (1975). 1–144.
- [552] M. ENOCK and J. M. SCHWARTZ, Une nouvelle construction du poids dual sur le produit croisé d'une algèbre de Von Neumann par un groupe localement compact, *C.R. Acad. Sci. Paris* **282** (1976) 415–418.
- [553] M. ENOMOTO and K. TAMAKI, On a theorem of Pearcy and Ringrose, *Math. Japon.* **18** (1973) 253–256.
- [554] M. ENOMOTO and K. TAMAKI, Freely acting automorphisms of abelian C*-algebras, *Nagoya Math. J.* **56** (1975) 7–11.
- [555] H. EPSTEIN, Remarks on two theorems of E. Lieb, *Commun. Math. Phys.* **31** (1973) 317–325.

- [556] J. ERDÖS, On certain elements of C^* -algebras, *Illinois J. Math.* **15** (1971) 682–693.
- [557] J. A. ERDÖS, An abstract characterization of nest algebras, *Quart. J. Math.* **22** (1971) 47–63.
- [558] J. ERNEST, A decomposition theory for unitary representations of locally compact groups, *Bull. Amer. Math. Soc.* **67** (1961) 385–388.
- [559] J. ERNEST, A decomposition theory for unitary representations of locally compact groups, *Trans. Amer. Math. Soc.* **104** (1962) 252–277.
- [560] J. ERNEST, A new group algebra for locally compact groups, I, *Amer. J. Math.* **86** (1964) 467–492.
- [561] J. ERNEST, Notes on the duality theorem of non-commutative, non-compact topological groups, *Tôhoku Math. J.* **16** (1964) 291–296.
- [562] J. ERNEST, A new group algebra for locally compact groups, II, *Can. J. Math.* **17** (1965) 604–615.
- [563] J. ERNEST, The representation lattice of a locally compact group, *Illinois J. Math.* **10** (1966) 127–135.
- [564] J. ERNEST, Hopf–Von Neumann algebras, in: *Functional Analysis* (Academic Press, New York, 1967) 195–215.
- [565] J. ERNEST, The enveloping algebra of a covariant system, *Commun. Math. Phys.* **17** (1970) 61–74.
- [566] J. ERNEST, A duality theorem for the automorphism group of a covariant system, *Commun. Math. Phys.* **17** (1970) 75–90.
- [567] J. ERNEST, A strong duality theorem for separable locally compact groups, *Trans. Amer. Math. Soc.* **156** (1971) 287–307.
- [568] J. ERNEST, On the topology of the spectrum of a C^* -algebra, *Math. Ann.* **216** (1975) 149–153.
- [569] J. ERNEST, A classification, decomposition and spectral multiplicity theory for bounded operators on a separable Hilbert space, to appear.
- [570] T. FACK, Construction de nouveaux facteurs de type II_1 , *C.R. Acad. Sci. Paris* **280** (1975) 1369–1372.
- [571] A. FEINTUCH and P. ROSENTHAL, Remarks on reductive operator algebras, *Israel J. Math.* **15** (1973) 130–136.
- [572] J. FELDMAN, Isomorphisms of finite type II rings of operators, *Ann. Math.* **63** (1956) 565–571.
- [573] J. FELDMAN, Embedding of AW^* -algebras, *Duke Math. J.* **23** (1956) 303–308.
- [574] J. FELDMAN, Some connections between topological and algebraical properties in rings of operators, *Duke Math. J.* **23** (1956) 365–370.
- [575] J. FELDMAN, Non-separability of certain finite factors, *Proc. Amer. Math. Soc.* **7** (1956) 23–26.
- [576] J. FELDMAN, The uniformly closed ideals in an AW^* -algebra, *Bull. Amer. Math. Soc.* **62** (1958) 245–246.
- [577] J. FELDMAN, Borel sets of states and of representations, *Michigan Math. J.* **12** (1965) 363–366.
- [578] J. FELDMAN and J. M. G. FELL, Separable representations of rings of operators, *Ann. Math.* **65** (1957) 241–249.
- [579] J. FELDMAN and R. V. KADISON, The closure of the regular operators in a ring of operators, *Proc. Amer. Math. Soc.* **5** (1954) 909–916.
- [580] J. FELDMAN and C. C. MOORE, Ergodic equivalence relations, cohomology, and

- Von Neumann algebras, *Bull. Amer. Math. Soc.* **81** (1975) 921–924.
- [581] J. M. G. FELL, Representations of weakly closed algebras, *Math. Ann.* **133** (1957) 118–126.
 - [582] J. M. G. FELL, The dual spaces of C^* -algebras, *Trans. Amer. Math. Soc.* **94** (1960) 365–403.
 - [583] J. M. G. FELL, C^* -algebras with smooth dual, *Illinois J. Math.* **4** (1960) 221–230.
 - [584] J. M. G. FELL, The structure of algebras of operator fields, *Acta Math.* **106** (1961) 233–280.
 - [585] J. M. G. FELL, Weak containment and induced representations of groups, *Can. J. Math.* **14** (1962) 237–268.
 - [586] J. M. G. FELL, A new proof that nilpotent groups are CCR, *Proc. Amer. Math. Soc.* **13** (1962) 93–99.
 - [587] J. M. G. FELL, Weak containment and Kronecker product of group representations, *Pacific J. Math.* **13** (1963) 503–510.
 - [588] J. M. G. FELL, Weak containment and induced representations of groups, II, *Trans. Amer. Math. Soc.* **110** (1964) 424–447.
 - [589] J. M. G. FELL, An extension of Mackey’s method to Banach $*$ -algebraic bundles, *Mem. Amer. Math. Soc.* **90** (1969).
 - [590] J. M. G. FELL and E. THOMA, Einige Bemerkungen über vollsymmetrische Banachsche Algebren, *Arch. Math.* **12** (1961) 69–70.
 - [591] P. A. FILLMORE, Perspectivity in projection lattices, *Proc. Amer. Math. Soc.* **16** (1965) 383–387.
 - [592] P. A. FILLMORE, On products of symmetries, *Can. J. Math.* **18** (1966) 897–900.
 - [593] P. A. FILLMORE and D. M. TOPPING, Operator algebras generated by projections, *Duke Math. J.* **34** (1967) 333–336.
 - [594] P. A. FILLMORE and D. M. TOPPING, A direct integral decomposition for certain operator algebras, *Amer. J. Math.* **91** (1969) 11–17.
 - [595] P. A. FILLMORE and D. M. TOPPING, Sums of irreducible operators, *Proc. Amer. Math. Soc.* **20** (1969) 131–133.
 - [596] M. FLENSTED-JENSEN, A note on desintegration, type and global type of Von Neumann algebras, *Math. Scand.* **24** (1969) 232–238.
 - [597] C. FOIAS and I. KOVACS, Une caractérisation nouvelle des algèbres de Von Neumann finies, *Acta Sci. Math. Szeged.* **23** (1962) 274–278.
 - [598] R. A. FONTENOT, The double centralizer algebra as a linear space, *Proc. Amer. Math. Soc.* **53** (1975) 99–103.
 - [599] B. FUGLEDE and R. V. KADISON, On a conjecture of Murray and Von Neumann, *Proc. Natl. Acad. Sci. U.S.A.* **37** (1951) 420–425.
 - [600] B. FUGLEDE and R. V. KADISON, On determinants and a property of the trace in finite factors, *Proc. Natl. Acad. Sci. U.S.A.* **37** (1951) 425–431.
 - [601] B. FUGLEDE and R. V. KADISON, Determinant theory in finite factors, *Ann. Math.* **55** (1952) 520–530.
 - [602] M. FUJII, On hypercentral states of C^* -algebras, *Math. Japon.* **18** (1973) 215–219.
 - [603] M. FUJII and M. NAKAMURA, On normal approximate spectrum, VI, *Proc. Japan Acad.* **49** (1973) 596–600.
 - [604] M. FUKAMIYA, On B^* -algebras, *Proc. Japan Acad.* **27** (1951) 321–327.
 - [605] M. FUKAMIYA, On a theorem of Gelfand and Neumark and the B^* -algebra, *Kumamoto J. Sci.* **1** (1952) 17–22.

- [606] M. FUKAMIYA, M. MISONOU and Z. TAKEDA, On order and commutativity of B^* -algebras, *Tôhoku Math. J.* **6** (1954) 89–93.
- [607] I. FURUTA and R. NAKAMOTO, A metric characterization of cartesian decomposition in a $*$ -algebra, *Proc. Japan Acad.* **44** (1968) 801–804.
- [608] P. GAJENDRAGADKAR, Norm of a derivation of a Von Neumann algebra, *Trans Amer. Math. Soc.* **170** (1972) 165–170.
- [609] W. D. GARBER, The connexion of duality and causal properties for generalized free fields, *Commun. Math. Phys.* **42** (1975) 195–208.
- [610] L. GARDING and A. WIGHTMAN, Representations of the anticommutation relations, *Proc. Natl. Acad. Sci. U.S.A.* **40** (1954) 617–621.
- [611] L. GARDING and A. WIGHTMAN, Representations of the commutation relations, *Proc. Natl. Acad. Sci. U.S.A.* **40** (1954) 622–626.
- [612] L. T. GARDNER, A note on isomorphisms of C^* -algebras, *Bull. Amer. Math. Soc.* **70** (1964) 788–791.
- [613] L. T. GARDNER, On isomorphisms of C^* -algebras, *Amer. J. Math.* **87** (1965) 384–396.
- [614] L. T. GARDNER, On the Mackey–Borel structure, *Can. J. Math.* **23** (1971) 674–678.
- [615] L. T. GARDNER, On the “third definition” of the topology of the spectrum of a C^* -algebra, *Can. J. Math.* **23** (1971) 445–450.
- [616] D. J. H. GARLING, On ideals of operators in Hilbert space, *Proc. London Math. Soc.* **17** (1967) 115–138.
- [617] M. GARTENBERG, Extensions of the index in factors of type II_+ , *Proc. Amer. Math. Soc.* **43** (1974) 163–168.
- [618] I. GEL'FAND and M. NAÏMARK, On the imbedding of normed rings into the ring of operators in Hilbert space, *Mat. Sb.* **12** (1943) 197–213 (in Russian).
- [619] I. M. GEL'FAND and M. A. NAÏMARK, Normed rings with involution and their representations, *Izv. Akad. Nauk SSR* **12** (1948) 445–480 (in Russian).
- [620] I. M. GEL'FAND and D. RAÏKOV, Irreducible unitary representations of locally compact groups, *Mat. Sb.* **13** (1943) 301–316 (in Russian).
- [621] P. GHEZ, R. LIMA and D. TESTARD, Une extension d'un théorème de A. Connes sur les facteurs constructibles, *Commun. Math. Phys.* **32** (1973) 305–311.
- [622] R. GILES and H. KUMMER, A matrix representation of a pair of projections in a Hilbert space, *Can. Math. Bull.* **14** (1971) 35–44.
- [623] R. GILES and H. KUMMER, A non-commutative generalization of topology, *Indiana Univ. Math. J.* **21** (1971) 91–102.
- [624] F. GILFEATHER, On the Suzuki structure theory for non self-adjoint operators on Hilbert space, *Act. Sci. Math.* **32** (1971) 239–249.
- [625] J. F. GILLE, An exponentiation theorem for unbounded derivations, *Ann. Inst. H. Poincaré (A)* **13** (1970) 215–220.
- [626] M. S. GLASER, Asymptotic abelianness of infinite factors, *Trans. Amer. Math. Soc.* **178** (1973) 41–56.
- [627] A. M. GLEASON, Measures on the closed subspaces of a Hilbert space, *J. Rational Mech. Anal.* **6** (1957) 885–894.
- [628] B. W. GLICKFIELD, A metric characterization of $C(X)$ and its generalization to C^* -algebras, *Illinois J. Math.* **10** (1966) 547–556.
- [629] J. GLIMM, On a certain class of operator algebras, *Trans. Amer. Math. Soc.* **95** (1960) 318–340.

- [630] J. GLIMM. A Stone–Weierstrass theorem for C^* -algebras. *Ann. Math.* **72** (1960) 216–244.
- [631] J. GLIMM. Type I C^* -algebras. *Ann. Math.* **73** (1961) 572–612.
- [632] J. GLIMM, Families of induced representations. *Pacific J. Math.* **12** (1962) 885–911.
- [633] J. GLIMM and R. V. KADISON, Unitary operators in C^* -algebras. *Pacific J. Math.* **10** (1960) 547–556.
- [634] R. GODEMENT. Sur les relations d'orthogonalité de V. Bargmann. *C.R. Acad. Sci. Paris* **225** (1947) 521–523, 657–659.
- [635] R. GODEMENT. Les fonctions de type positif et la théorie des groupes. *Trans. Amer. Math. Soc.* **63** (1948) 1–84.
- [636] R. GODEMENT. Théorie générale des sommes continues d'espaces de Banach. *C.R. Acad. Sci. Paris* **228** (1949) 1321–1323.
- [637] R. GODEMENT. Sur la théorie des caractères. I: Définition et classification des caractères, *C.R. Acad. Sci. Paris* **229** (1949) 967–969.
- [638] R. GODEMENT. Sur la théorie des représentations unitaires. *Ann. Math.* **53** (1951) 68–124.
- [639] R. GODEMENT. Mémoire sur la théorie des caractères dans les groupes localement compacts unimodulaires, *J. Math. Pures Appl.* **30** (1951) 1–110.
- [640] R. GODEMENT. Théorie des caractères, I: Algèbres unitaires. *Ann. Math.* **59** (1954) 47–62.
- [641] R. GODEMENT. Théorie des caractères, II: Définition et propriétés générales des caractères, *Ann. Math.* **59** (1954) 63–85.
- [642] M. GOLDMAN. Structure of AW*-algebras. I, *Duke Math. J.* **23** (1956) 23–34.
- [643] M. GOLDMAN. On subfactors of factors of type II_1 , *Michigan Math. J.* **6** (1959) 167–172.
- [644] V. JA. GOLODEC, On factor representations of type II for the commutation and anticommutation relations. *Uspehi Mat. Nauk* **20** (1965) 68–72 (in Russian).
- [645] V. JA. GOLODEC. On factor representations of anticommutation relations, *Dokl. Akad. Nauk SSSR* **167** (1966) 19–22 (in Russian).
- [646] V. JA. GOLODEC. Factor representations of type II_1 for a Clifford algebra, *Dokl. Akad. Nauk SSSR* **173** (1967) 745–747 (in Russian).
- [647] V. JA. GOLODEC. Certain properties of representations of an infinite-dimensional Clifford algebra. *Dokl. Akad. Nauk SSSR* **178** (1968) 771–773 (in Russian; English Transl.: *Soviet Math.* **9** (1968) 184–187).
- [648] V. JA. GOLODEC. A study of approximately finite Von Neumann algebras with finite trace. *Dokl. Akad. Nauk SSSR* **181** (1968) 1307–1310 (in Russian; English Transl.: *Soviet Math.* **9** (1968) 1016–1019).
- [649] V. JA. GOLODEC. The finite groups of automorphisms of hyperfinite factors, *Dokl. Akad. Nauk SSSR* **188** (1969) 1214–1216 (in Russian; English Transl. (with an addendum): *Soviet Math.* **10** (1969) 1266–1269).
- [650] V. JA. GOLODEC, The factor representations of type II and III for the commutation relations. *Mat. Sb.* **78** (1969) 501–511 (in Russian).
- [651] V. JA. GOLODEC. On hyperfinite factors of type III. *Math. Phys. Functional Anal.* **1** (1969) 220–228 (in Russian).
- [652] V. JA. GOLODEC, Classification of representations of the anticommutation relations. *Uspehi. Mat. Nauk* **24** (1969) 3–64 (in Russian; English Transl.: *Russian Math. Surv.* **24** (4), 1–63).

- [653] V. JA. GOLODEC, On groups of transformations leaving a measure quasi-invariant, *Mat. Zametki* **7** (1970) 223–227 (in Russian).
- [654] V. JA. GOLODEC, The classes of approximately finite factors, *Funkcion. Anal. Priložen.* **4** (1970) 14–20 (in Russian).
- [655] V. JA. GOLODEC, Factor representations of the anticommutation relations, *Tr. Moskov. Mat. Obšč.* **22** (1970) 3–62 (in Russian).
- [656] V. JA. GOLODEC, Hyperfinite factors of types II_∞ and III , *Funkcion. Anal. Priložen.* **5** (1971) 34–44 (in Russian)..
- [657] V. JA. GOLODEC, Tensor and cross products of type III factors, *Funkcion. Anal. Priložen.* **5** (1971) 96–97 (in Russian).
- [658] V. JA. GOLODEC, Crossed products of Von Neumann algebras, *Uspehi Mat. Nauk* **26** (1971) 3–50 (in Russian; English Transl.: *Russian Math. Surv.* **26**, 1–50).
- [659] V. JA. GOLODEC, Conditional expectation and modular automorphisms of Von Neumann algebras, *Funkcion. Anal. Priložen.* **6** (1972) 68–69 (in Russian).
- [660] V. JA. GOLODEC, Spectral properties of modular operators, *Funkcion. Anal. Priložen.* **6** (1972) 70–72 (in Russian).
- [661] V. JA. GOLODEC, Modular operators and the set of asymptomatic ratios, *Funkcion. Anal. Priložen.* **7** (1973) 77–78 (in Russian).
- [662] V. JA. GOLODEC, Asymptotic algebra, its applications to the study of modular operators and their spectral properties, *Dokl. Akad. Nauk SSSR* **220** (1975) 15–18 (in Russian).
- [663] V. JA. GOLODEC and A. M. STEPIN, On the factors of type II with the property Γ , *Tr. Akad. Nauk SSSR* **1** (1969) 229–249 (in Russian).
- [664] H. GONSHOR, Spectral theory for a class of non-normal operators, *Can. J. Math.* **8** (1956) 449–461.
- [665] H. GONSHOR, Spectral theory for a class of non-normal operators, II, *Can. J. Math.* **10** (1958) 97–102.
- [666] H. GONSHOR, Injective hulls of C^* -algebras, *Trans. Amer. Math. Soc.* **131** (1968) 315–322.
- [667] H. GONSHOR, Remarks on the algebra of bounded functions, *Math. Z.* **108** (1969) 325–328.
- [668] H. GONSHOR, Injective hulls of C^* -algebras, II, *Proc. Amer. Math. Soc.* **24** (1970) 486–491.
- [669] E. C. GOOTMAN, Primitive ideals of C^* -algebras associated with transformation groups, *Trans. Amer. Math. Soc.* **170** (1972) 97–108.
- [670] E. C. GOOTMAN, The type of some C^* - and W^* -algebras associated with transformation groups, *Pacific J. Math.* **48** (1973) 93–106.
- [671] A. GOULLET DE RUGY, Faces parallélisables et topologies faciales sur l'espace des états d'une algèbre stellaire, *C.R. Acad. Sci. Paris* **270** (1970) 376–379.
- [672] E. GRANINGER, Exposed points of convex sets and weak sequential convergence, to appear.
- [673] W. L. GREEN, Toplogical dynamics and C^* -algebras, *Trans. Amer. Math. Soc.* **210** (1975) 107–121.
- [674] F. GREENLEAF and M. MOSKOWITZ, Cyclic vectors for representations of locally compact groups, *Math. Ann.* **190** (1971) 265–288.
- [675] E. L. GRIFFIN, Some contributions to the theory of rings of operators, *Trans. Amer. Math. Soc.* **75** (1953) 471–504.

- [676] E. L. GRIFFIN, Some contributions to the theory of rings of operators, II, *Trans. Amer. Math. Soc.* **79** (1955) 389–400.
- [677] E. L. GRIFFIN, Everywhere defined linear transformations affiliated with rings of operators, *Pacific J. Math.* **18** (1968) 489–493.
- [678] L. GROSS, A noncommutative extension of the Perron Frobenius theorem, *Bull. Amer. Math. Soc.* **77** (1971) 343–347.
- [679] L. GROSS, Existence and uniqueness of physical ground states, *J. Functional Anal.* **10** (1972) 52–109.
- [680] A. GROTHENDIECK, Réarrangements de fonctions et inégalités de convexité dans les algèbres de Von Neumann munies d'une trace, *Sém. Bourbaki* (March 1955) 16 pp.
- [681] A. GROTHENDIECK, Un résultat sur le dual d'une C*-algèbre, *J. Math. Pures Appl.* **36** (1957) 97–108.
- [682] S. GUDDER and J. P. MARCHAUD, Non-commutative probability and Von Neumann algebras, *J. Math. Phys.* **13** (1972) 799–806.
- [683] M. GUENIN and B. MISRA, On the Von Neumann algebras generated by the field operators, *Nuovo Cimento* **30** (1963) 1272–1290.
- [684] A. GUICHARDET, Une caractérisation des algèbres de Von Neumann de type I, *C.R. Acad. Sci. Paris* **248** (1959) 3398–3400.
- [685] A. GUICHARDET, Sur un problème posé par G. W. Mackey, *C.R. Acad. Sci. Paris* **250** (1960) 962–963.
- [686] A. GUICHARDET, Sur les représentations factorielles des C*-algèbres, *C.R. Acad. Sci. Paris* **252** (1961) 1088–1089.
- [687] A. GUICHARDET, Sur les structures boréliennes du dual et du quasi-dual d'une C*-algèbre, *C.R. Acad. Sci. Paris* **253** (1961) 2030–2032.
- [688] A. GUICHARDET, Une caractérisation des algèbres de Von Neumann discrètes, *Bull. Soc. Math. France* **89** (1961) 77–101.
- [689] A. GUICHARDET, Caractères des algèbres de Banach involutives, *Ann. Inst. Fourier* **13** (1962) 1–81.
- [690] A. GUICHARDET, Sur la décomposition des représentations des C*-algèbres, *C.R. Acad. Sci. Paris* **258** (1964) 768–770.
- [691] A. GUICHARDET, Caractères et représentations des produits tensoriels de C*-algèbres, *Ann. Sci. Ecole Norm. Sup.* **81** (1964) 189–206.
- [692] A. GUICHARDET, Sur les produits tensoriels de C*-algèbres, *Dokl. Akad. Nauk. SSSR* **106** (1965) 986–989, **168** (1965) 1231.
- [693] A. GUICHARDET, Utilisation des sous-groupes distingués ouverts dans l'étude des représentations unitaires des groupes localement compacts, *Compositio Math.* **17** (1965) 1–35.
- [694] A. GUICHARDET, Produits tensoriels infinis et représentations des relations d'anti-commutation, *Ann. Sci. Ecole Norm. Sup.* **83** (1966) 1–52.
- [695] A. GUICHARDET, Sur l'homologie et la cohomologie des algèbres de Banach, *C.R. Acad. Sci. Paris* **262** (1966) 38–41.
- [696] A. GUICHARDET, Sur la catégorie des algèbres de Von Neumann, *Bull. Sci. Math.* **90** (1966) 41–64.
- [697] A. GUICHARDET, *Leçons sur Certaines Algèbres Topologiques: Algèbre de Von Neumann, algèbres topologiques et fonctions holomorphes, algèbres de Banach commutatives* (Gordon and Breach, New York, 1967).

- [698] A. GUICHARDET, Produits tensoriels continus d'espaces et d'algèbres de Banach, *Commun. Math. Phys.* **5** (1967) 262–287.
- [699] A. GUICHARDET, Sur un théorème de Sakai, *C.R. Acad. Sci. Paris* **266** (1968) 974–975.
- [700] A. GUICHARDET, *Algèbres d'Observables Associées aux Relations de Commutation*, (Colin, Paris, 1968).
- [701] A. GUICHARDET, Tensor products of C*-algebras, I, II, Aarhus Univ. (1969).
- [702] A. GUICHARDET, *Symmetric Hilbert spaces and related topics*, Lectures Notes in Math. **261** (Springer, Berlin, 1972).
- [703] A. GUICHARDET, Sur les systèmes dynamiques non commutatifs, *C.R. Acad. Sci. Paris* **277** (1973) 289–290.
- [704] A. GUICHARDET, Systèmes dynamiques non commutatifs, *Astérisque* **13, 14** (1974).
- [705] A. GUICHARDET, Automorphismes et type de certaines algèbres de Von Neumann, to appear.
- [706] A. GUICHARDET and D. KASTLER, Désintégration des états quasi-invariants des C*-algèbres, *J. Math. Pures Appl.* **19** (1970) 349–380.
- [707] A. GUICHARDET and A. WULFSOHN, Sur les produits tensoriels continus d'espaces hilbertiens, *J. Functional Anal.* **2** (1968) 371–377.
- [708] A. GUICHARDET and A. WULFSOHN, Continuous tensor product states which are translation invariant but not quasi-free, *Commun. Math. Phys.* **17** (1970) 133–142.
- [709] J. GUNSON, Physical states on quantum logics, I, *Ann. Inst. H. Poincaré (A)* **17** (1972) 295–311.
- [710] A. GUREVIČ, Unitary representations in Hilbert space of a compact topological group, *Mat. Sb.* **13** (1943) 79–86.
- [711] R. HAAG, N. M. HUGENHOLTZ and M. WINNINK, On the equilibrium states in quantum statistical mechanics, *Commun. Math. Phys.* **5** (1967) 215–236.
- [712] R. HAAG, R. V. KADISON and D. KASTLER, Nets of C*-algebras and classification of states, *Commun. Math. Phys.* **16** (1970) 81–104.
- [713] R. HAAG, R. V. KADISON and D. KASTLER, Asymptotic orbits in a free Fermi gas, *Commun. Math. Phys.* **33** (1973) 1–22.
- [714] R. HAAG and D. KASTLER, An algebraic approach to quantum field theory, *J. Math. Phys.* **5** (1964) 848–861.
- [715] R. HAAG, D. KASTLER and E. B. TRYCH-POHLMEYER, Stability and equilibrium states, *Commun. Math. Phys.* **38** (1974) 173–193.
- [716] R. HAAG and B. SCHROER, Postulates of quantum field theory, *J. Math. Phys.* **3** (1962) 248–256.
- [717] R. HAAG and J. A. SWIECA, When does a quantum field theory describe particles, *Commun. Math. Phys.* **1** (1965) 308–320.
- [718] U. HAAGERUP, Normal weights on W*-algebras, *J. Functional Anal.* **19** (1975) 302–317.
- [719] U. HAAGERUP, Operator-valued weights in Von Neumann algebras, to appear.
- [720] U. HAAGERUP, On the dual weights for crossed products of Von Neumann algebras, I, II, to appear.
- [721] U. HAAGERUP, Tomita's theory for Von Neumann algebras with a cyclic separating vector, to appear.
- [722] U. HAAGERUP, L^p -spaces associated with arbitrary Von Neumann algebras, to appear.

- [723] U. HAAGERUP, The standard form of Von Neumann algebras, *Math. Scand.* **37** (1975) 271–283.
- [724] U. HAAGERUP, The centralizer of a weight can be of type III, to appear.
- [725] Y. HAGA, A note on traces of Von Neumann algebras, *Proc. Japan Acad.* **44** (1968) 933–938.
- [726] Y. HAGA, On subalgebras of a cross product Von Neumann algebra, *Tôhoku Math. J.* **25** (1973) 291–305.
- [727] Y. HAGA, On approximately finite algebras, *Tôhoku Math. J.* **26** (1974) 325–332.
- [728] Y. HAGA, Crossed products of Von Neumann algebras by compact groups, to appear.
- [729] Y. HAGA and Z. TAKEDA, Correspondence between subgroups and subalgebras in a cross product Von Neumann algebra, *Tôhoku Math. J.* **24** (1972) 167–190.
- [730] J. HAKEDA, On property P of Von Neumann algebras, *Tôhoku Math. J.* **19** (1967) 238–242.
- [731] J. HAKEDA, On property P of Von Neumann algebras, II, *Bull. Yamagata Univ. Natur. Sci.* **7** (1968) 5–6.
- [732] J. HAKEDA and J. TOMIYAMA, On some extension properties of Von Neumann algebras, *Tôhoku Math. J.* **19** (1967) 315–323.
- [733] A. A. HALL, Derivations of certain C*-algebras, *J. London Math. Soc.* **5** (1972) 321–329.
- [734] I. HALPERIN, A remark on a preceding paper by J. von Neumann, *Ann. Math.* **41** (1940) 554–555.
- [735] I. HALPERIN, Introduction to Von Neumann algebras and continuous geometry, *Can. Math. Bull.* **3** (1960) 273–288, **5** (1962) 59.
- [736] H. HALPERN, The maximal GCR ideal in an AW*-algebra, *Proc. Amer. Math. Soc.* **17** (1966) 906–914.
- [737] H. HALPERN, An integral representation of a normal functional on a Von Neumann algebra, *Trans. Amer. Math. Soc.* **125** (1966) 32–46.
- [738] H. HALPERN, Finite sums of irreducible functionals on C*-algebras, *Proc. Amer. Math. Soc.* **18** (1967) 352–358.
- [739] H. HALPERN, A spectral decomposition for self-adjoint elements in the maximum GCR ideal of a Von Neumann algebra with applications to non-commutative integration theory, *Trans. Amer. Math. Soc.* **133** (1968) 281–306.
- [740] H. HALPERN, Commutators in properly infinite Von Neumann algebras, *Trans. Amer. Math. Soc.* **139** (1969) 55–73.
- [741] H. HALPERN, Module homomorphisms of a Von Neumann algebra into its center, *Trans. Amer. Math. Soc.* **140** (1969) 183–194.
- [742] H. HALPERN, Irreducible module homomorphisms of a Von Neumann algebra into its center, *Trans. Amer. Math. Soc.* **140** (1969) 195–222.
- [743] H. HALPERN, Embedding as a double commutator in a type I AW*-algebra, *Trans. Amer. Math. Soc.* **148** (1970) 85–98.
- [744] H. HALPERN, Commutators modulo the center in a properly infinite Von Neumann algebra, *Trans. Amer. Math. Soc.* **150** (1970) 55–68.
- [745] H. HALPERN, A generalized dual for a C*-algebra, *Trans. Amer. Math. Soc.* **153** (1971) 139–156.
- [746] H. HALPERN, Unitary implementation of automorphism groups on Von Neumann algebras, *Commun. Math. Phys.* **25** (1972) 253–275.
- [747] H. HALPERN, Integral decomposition of functionals on C*-algebras, *Trans. Amer. Math. Soc.* **160** (1971) 139–156.

- Math. Soc.* **168** (1972) 371–385.
- [748] H. HALPERN, Essential central spectrum and range for elements of a Von Neumann algebra, *Pacific J. Math.* **43** (1972) 349–380.
- [749] H. HALPERN, Primitive ideals in Von Neumann algebras, *Proc. Amer. Math. Soc.* **39** (1973) 563–566.
- [750] H. HALPERN, Mackey Borel structure for the quasi-dual of a separable C*-algebra, *Can. J. Math.* **26** (1974) 621–628.
- [751] H. HALPERN, Open projections and Borel structures for C*-algebras, *Pacific J. Math.* **50** (1974) 81–98.
- [752] H. HALPERN, Quasi-equivalence classes of normal representations for a separable C*-algebra, *Trans. Amer. Math. Soc.* **203** (1975) 129–140.
- [753] H. HALPERN, Essential central range and self-adjoint commutators in properly infinite Von Neumann algebras, to appear.
- [754] H. HALPERN, Proper values in the maximal GCR ideal of a Von Neumann algebra, to appear.
- [755] H. HALPERN, The norm of an inner derivation of an AW*-algebra, to appear.
- [756] H. HALPERN, One-parameter automorphism group of generalized KH-algebras, to appear.
- [757] H. HALPERN, Spectra of operator equations of Von Neumann algebras, to appear.
- [758] HARISH-CHANDRA, Representations of semi-simple Lie groups, III, *Trans. Amer. Math. Soc.* **76** (1954) 234–253.
- [759] HARISH-CHANDRA, Representations of semi-simple Lie groups, VI, *Amer. J. Math.* **78** (1956) 564–628.
- [760] HARISH-CHANDRA, Invariant eigendistributions on semi-simple Lie groups, *Bull. Amer. Math. Soc.* **69** (1963) 117–123.
- [761] L. A. HARRIS, Banach algebras with involution and Möbius transformations, *J. Functional Anal.* **11** (1972) 1–16.
- [762] R. T. HARRIS, A direct integral construction, *Duke Math. J.* **33** (1966) 535–537.
- [763] R. HAYDON and S. WASSERMAN, A commutation result for tensor products of C*-algebras, *Bull. London Math. Soc.* **5** (1973) 283–287.
- [764] A. JA. HELEMŠKIJ, Strong decomposability of finite-dimensional extensions of C*-algebras, *Vestnik Moskov. Univ. Mat. Meh.* **22** (1967) 50–52 (in Russian).
- [765] A. JA. HELEMŠKIJ, On a method for calculating and estimating the global homological dimension of Banach algebras, *Mat. Sb.* **87** (1972) 122–135 (in Russian; English transl.: *Math. USSR Sb.* **16** (1972) 125–138).
- [766] A. HELEMŠKIJ and JA. SINAI, A description of differentiations in algebras of the type of algebras of local observables of spin systems, *Functional Anal. Appl.* **6** (1973) 343–344 (in Russian).
- [767] M. HENLE, Spatial representation of groups of automorphisms of Von Neumann algebras with properly infinite commutant, *Commun. Math. Phys.* **19** (1970) 273–275.
- [768] M. HENLE, A Lebesgue decomposition theorem for C*-algebras, *Can. Math. Bull.* **15** (1972) 87–91.
- [769] M. HENLE, Galois theory of W*-algebras, to appear.
- [770] J. N. HENRY and D. C. TAYLOR, The β -topology for W*-algebras, *Pacific J. Math.* **60** (1975) 123–139.
- [771] R. H. HERMAN, Some remarks on expectations, *Acta Sci. Math. Szeged* **31** (1970) 125–128.

- [772] R. H. HERMAN, Invariant states, *Trans. Amer. Math. Soc.* **158** (1971) 503–512.
- [773] R. H. HERMAN, Perturbations of the modular automorphism group, *Commun. Math. Phys.* **28** (1972) 237–243.
- [774] R. H. HERMAN, Centralizers and ordering for faithful normal states, *J. Functional Anal.* **13** (1973) 317–323.
- [775] R. H. HERMAN, Spectra of automorphism groups of operator algebras, *Duke Math. J.* **4** (1974) 667–673.
- [776] R. H. HERMAN, Automorphism groups of operator algebras, *Pacific J. Math.* **50** (1974) 91–99.
- [777] R. H. HERMAN, The centralizer under tensor products, *Math. Scand.* **36** (1975) 286–290.
- [778] R. H. HERMAN, Unbounded derivations, *J. Functional Anal.* **20** (1975) 234–239.
- [779] R. H. HERMAN and M. C. REED, Covariant representations of infinite tensor product algebras, *Pacific J. Math.* **40** (1972) 311–326.
- [780] R. H. HERMAN and M. TAKESAKI, States and automorphism groups of operator algebras, *Commun. Math. Phys.* **19** (1970) 142–160.
- [781] E. HEWITT and D. McDUFF, Some pathological maximal ideals in operator algebras and measure algebras on groups, *Mat. Sb.* **83** (1970) 527–546 (in Russian).
- [782] R. HIRSCHFELD, Sur l'analyse harmonique dans les groupes localement compacts, *C.R. Acad. Sci. Paris* **246** (1958) 1138–1140.
- [783] K. H. HOFMANN, Extending C^* -algebras by adjoining an identity, in: *Contributions to Extension Theory of Topological Structures*, Proc. Symp. Berlin., 1967 (VEB Deutscher Verlag der Wiss., Berlin, 1969) 119–125.
- [784] K. H. HOFMANN, *The duality of compact semi-groups and C^* -bigebras*, Lecture Notes in Math. **129** (Springer, Berlin, 1970).
- [785] K. H. HOFMANN, Representations of algebras by continuous sections, *Bull. Amer. Math. Soc.* **78** (1972) 291–373.
- [786] A. S. HOLEVO, On the mathematical theory of quantum communication channels, *Problemy Peredachi Informacii* **8** (1972) 62–71 (in Russian).
- [787] A. S. HOLEVO, The theory of statistical decisions on an operator algebra, (*Dokl. Akad. Nauk SSSR* **218** (1974) 54–57 (in Russian).
- [788] S. S. HOLLAND, Uniform angle pairs of subspaces in Hilbert space, to appear.
- [789] E. HONGO, A note on the commutor of certain operator algebras, *Bull. Kyushu Inst. Technol.* **1** (1955) 19–22.
- [790] E. HONGO, On left rings of certain $*$ -algebras, *Bull. Kyushu Inst. Technol.* **2** (1956) 1–15.
- [791] E. HONGO, On quasi-unitary algebras with semi-finite left rings, *Bull. Kyushu Inst. Technol.* **3** (1957) 1–10.
- [792] E. HONGO, On some properties of quasi-unitary algebras, *Bull. Kyushu Inst. Technol.* **4** (1958) 1–6.
- [793] E. HONGO, On left multiplicative operators on a quasi-unitary algebra, *Bull. Kyushu Inst. Technol.* **5** (1959) 19–22.
- [794] E. HONGO, A structure theory for semi-finite quasi-unitary algebras, *Bull. Kyushu Inst. Technol.* **7** (1961) 1–17.
- [795] E. HONGO and M. ORIHARA, A remark on a quasi-unitary algebra, *Yokohama Math. J.* **2** (1954) 69–72.
- [796] T. B. HOOVER, Operator algebras with reducing invariant subspaces, *Pacific J. Math.* **44** (1973) 173–179.

- [797] A. HOPERWASSER, Boundary representations on C^* -algebras with matrix units, *Trans. Amer. Math. Soc.* **177** (1973) 483–490.
- [798] R. HOWE, The Brauer group of a compact Hausdorff space and n -homogeneous C^* -algebras, *Proc. Amer. Math. Soc.* **34** (1972) 209–214.
- [799] R. HOWE, A functional calculus for hyponormal operators, *Indiana Univ. Math. J.* **23** (1973) 631–644.
- [800] T. T. HSIEH, Invariant normal positive functionals, *J. Math. Anal. Appl.* **45** (1974) 556–562.
- [801] T. T. HSIEH, Invariant normal positive functionals, II, *J. Math. Anal. Appl.* **47** (1974) 554–562.
- [802] N. M. HUGENHOLTZ, On the factor type of equilibrium states in quantum statistical mechanics, *Commun. Math. Phys.* **6** (1967) 189–193.
- [803] N. M. HUGENHOLTZ and R. V. KADISON, Automorphisms and quasi-free states of the CAR-algebra, *Commun. Math. Phys.* **43** (1975) 181–197.
- [804] N. M. HUGENHOLTZ, M. TAKESAKI and M. WINNINK, Local normality of the KMS states in quantum statistical mechanics, to appear.
- [805] N. M. HUGENHOLTZ and J. D. WIERINGA, On locally normal states in quantum statistical mechanics, *Commun. Math. Phys.* **11** (1969) 183–197.
- [806] A. HULANICKI and R. R. PHELPS, Some applications of tensor products of partially ordered linear spaces, *J. Functional Anal.* **2** (1968) 177–201.
- [807] T. HURUYA, On the structure of certain C^* -algebras, *Proc. Japan Acad.* **45** (1969) 354–358.
- [808] T. HURUYA, C^* -algebras having the property (T), *Sci. Rept. Niigata Univ. (A)* **8** (1971) 7–12.
- [809] T. HURUYA, The second dual of a tensor product of C^* -algebras, I, II, *Sci. Rept. Niigata Univ.* **9** (1972) 35–38, **11** (1974) 21–23.
- [810] T. HURUYA, Boundary representations of a tensor product of C^* -algebras, *Sci. Rept. Niigata Univ. (A)* **11** (1974) 55–59.
- [811] A. IKUNISHI and Y. NAKAGAMI, Automorphism groups of Von Neumann algebras and semi-finiteness of an infinite tensor product of Von Neumann algebras, to appear.
- [812] A. IKUNISHI and Y. NAKAGAMI, On invariants $G(\sigma)$ and $\Gamma(\sigma)$ for an automorphism group of a Von Neumann algebra, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **12** (1976) 1–30.
- [813] A. INOUE, L^1 -space associated with a weight, *Mem. Fac. Sci. Kyushu Univ. (A)* **27** (1973) 291–308.
- [814] A. INOUE, Conditional expectations in Von Neumann algebras with respect to weight, *Mem. Fac. Sci. Kyushu Univ. (A)* **27** (1973) 309–321.
- [815] C. T. IONESCU TULCEA, Deux théorèmes concernant certains espaces de champs de vecteurs, *Bull. Sci. Math.* **79** (1955) 1–6.
- [816] E. J. IRWIN, Concerning time-like asymptotic abelianness, to appear.
- [817] V. ISTRATESCU and I. ISTRATESCU, On characters of singly generated Von Neumann algebras, *Proc. Japan Acad.* **47** (1971) 42–43.
- [818] S. ITO, Positive definite functions on homogeneous spaces, *Proc. Jap. Acad.* **26** (1950) 17–28.
- [819] N. JACOBSON, A topology for the set of primitive ideals in an arbitrary ring, *Proc. Natl. Acad. Sci. U.S.A.* **31** (1945) 333–338.
- [820] A. Z. JADCZIK, On some groups of automorphisms of Von Neumann algebras with

- cyclic and separating vector, *Commun. Math. Phys.* **13** (1969) 142–153.
- [821] J. JANAS, Toeplitz operators related to certain domains in \mathbf{C}^n , *Studia Math.* **54** (1975) 73–79.
- [822] G. JANSEN, Bemerkungen zum Dichtigkeitsatz Von Kaplansky, *Math. Z.* **139** (1974) 159–164.
- [823] G. JANSEN, Reelle Jordanalgebren mit endlicher Spur, *Manuscripta Math.* **13** (1974) 237–273.
- [824] G. JANSEN, Die Strukturendlicher schwach abgeschlossener Jordanalgebren, I, II, *Manuscripta Math.* **16** (1975) 277–305, 307–332.
- [825] J. W. JENKINS, On the characterization of abelian W^* -algebras, *Proc. Amer. Math. Soc.* **35** (1972) 436–438.
- [826] B. E. JOHNSON, AW*-algebras are QW*-algebras, *Pacific J. Math.* **23** (1967) 97–99.
- [827] B. E. JOHNSON, Continuity of homomorphisms of algebras of operators, *J. London Math. Soc.* **42** (1967) 537–541.
- [828] B. E. JOHNSON, Continuity of homomorphisms of algebras of operators, II, *J. London Math. Soc.* **1** (1969) 81–84.
- [829] B. E. JOHNSON, Cohomology in Banach algebras, to appear.
- [830] B. E. JOHNSON, Perturbations of Banach algebras, to appear.
- [831] B. E. JOHNSON, R. V. KADISON and J. R. RINGROSE, Cohomology of operator algebras, III: Reduction to normal cohomology, *Bull. Soc. Math. France* **100** (1972) 73–96.
- [832] B. E. JOHNSON and S. K. PARROTT, Operators commuting with a Von Neumann algebra modulo the set of compact operators, *J. Functional Anal.* **11** (1972) 39–61.
- [833] B. E. JOHNSON and J. R. RINGROSE, Derivation of operator algebras and discrete group algebras, *Bull. London Math. Soc.* **1** (1969) 70–74.
- [834] J. P. JURZAK, Poids strictement semi-finis et groupes d'automorphismes modulaires sur une algèbre de Von Neumann décomposable, *C.R. Acad. Sci. Paris.* **279** (1974) 221–224.
- [835] J. P. JURZAK, Decomposable operators. Application to KMS weights in a decomposable Von Neumann algebra, to appear.
- [836] G. I. KAC, Certain arithmetic properties of ring groups, *Funkcional. Anal. Priložen.* **6** (1972) 88–90.
- [837] R. V. KADISON, Isometries of operator algebras, *Ann. Math.* **54** (1951) 325–338.
- [838] R. V. KADISON, Order properties of bounded self-adjoint operators, *Proc. Amer. Math. Soc.* **2** (1951) 505–510.
- [839] R. V. KADISON, A generalised Schwarz inequality and algebraic invariants for operator algebras, *Ann. Math.* **56** (1952) 494–503.
- [840] R. V. KADISON, Infinite unitary groups, *Trans. Amer. Math. Soc.* **72** (1952) 386–399.
- [841] R. V. KADISON, Infinite general linear groups, *Trans. Amer. Math. Soc.* **76** (1954) 66–91.
- [842] R. V. KADISON, The general linear group of infinite factors, *Duke Math. J.* **22** (1955) 119–122.
- [843] R. V. KADISON, On the orthogonalization of operator representations, *Amer. J. Math.* **77** (1955) 600–621.

- [844] R. V. KADISON, Multiplicity theory for operator algebras, *Proc. Natl. Acad. Sci. U.S.A.* **41** (1955) 169–173.
- [845] R. V. KADISON, Isomorphisms of factors of infinite type, *Can. J. Math.* **7** (1955) 322–327.
- [846] R. V. KADISON, On the additivity of the trace in finite factors, *Proc. Natl. Acad. Sci. U.S.A.* **41** (1955) 385–387.
- [847] R. V. KADISON, Operator algebras with a faithful weakly closed representation, *Ann. Math.* **64** (1956) 175–181.
- [848] R. V. KADISON, Unitary invariants for representations of operator algebras, *Ann. Math.* **66** (1957) 304–379.
- [849] R. V. KADISON, Irreducible operator algebras, *Proc. Natl. Acad. Sci. U.S.A.* **43** (1957) 273–276.
- [850] R. V. KADISON, Theory of operators, Part II: operator algebras, *Bull. Amer. Math. Soc.* **64** (1958) 61–85.
- [851] R. V. KADISON, The trace in finite operator algebras, *Proc. Amer. Math. Soc.* **12** (1961) 973–977.
- [852] R. V. KADISON, States and representations, *Trans. Amer. Math. Soc.* **103** (1962) 304–319.
- [853] R. V. KADISON, Normalcy in operator algebras, *Duke Math. J.* **29** (1962) 459–464.
- [854] R. V. KADISON, Remarks on the type of Von Neumann algebras of local observables in quantum field theory, *J. Math. Phys.* **4** (1963) 1511–1516.
- [855] R. V. KADISON, The trace in finite operator algebras, Mimeo graph, Columbia Univ., New York (1963).
- [856] R. V. KADISON, Transformations of states in operator theory and dynamics, *Topology* **3** (1965) 177–198.
- [857] R. V. KADISON, Derivations of operator algebras, *Ann. Math.* **83** (1966) 280–293.
- [858] R. V. KADISON, The energy momentum spectrum of quantum field, *Commun. Math. Phys.* **4** (1967) 258–260.
- [859] R. V. KADISON, *Lectures on Operator Algebras*, Cargèse Lectures in Theor. Phys. (Gordon and Breach, New York, 1967).
- [860] R. V. KADISON, Strong continuity of operator functions, *Pacific J. Math.* **26** (1968) 121–129.
- [861] R. V. KADISON, Mappings of operator algebras, *Actes Congrès Intern. Math.*, 1970, Vol. **2**, pp. 389–393.
- [862] R. V. KADISON, Some analytic methods in the theory of operator algebras, in: *Lectures in Modern Analysis and Applications*, II, Lecture Notes in Math. **140** (Springer, Berlin, 1970) 8–29.
- [863] R. V. KADISON, Normal states and unitary equivalence of Von Neumann algebras, Lectures at Univ. of Pennsylvania, Philadelphia, Pa. (1972).
- [864] R. V. KADISON, A note on derivations of operator algebras, *Bull. London Math. Soc.* **7** (1975) 41–44.
- [865] R. V. KADISON and D. KASTLER, Perturbations of Von Neumann algebras, I: Stability of type, *Amer. J. Math.* **94** (1972) 38–54.
- [866] R. V. KADISON, E. C. LANCE and J. R. RINGROSE, Derivations and automorphisms of operator algebras, II, *J. Functional Anal.* **1** (1967) 204–221.
- [867] R. V. KADISON and G. K. PEDERSEN, Equivalence in operator algebras, *Math. Scand.* **27** (1970) 205–222.

- [868] R. V. KADISON and J. R. RINGROSE, Derivations of operator group algebras, *Amer. J. Math.* **88** (1966) 562–576.
- [869] R. V. KADISON and J. R. RINGROSE, Automorphisms of operator algebras, *Bull. Amer. Math. Soc.* **72** (1966) 1059–1063.
- [870] R. V. KADISON and J. R. RINGROSE, Derivations and automorphisms of operator algebras, *Commun. Math. Phys.* **4** (1967) 32–63.
- [871] R. V. KADISON and J. R. RINGROSE, Cohomology of operator algebras, I: Type I Von Neumann algebras, *Acta Math.* **126** (1971) 227–243.
- [872] R. V. KADISON and J. R. RINGROSE, Cohomology of operator algebras, II: Extended cobounding and the hyperfinite case, *Arch. Math. (Basel)* **9** (1971) 55–63.
- [873] R. V. KADISON and J. R. RINGROSE, Algebraic automorphisms of operator algebras, *J. London Math. Soc.* **8** (1974) 329–334.
- [874] R. V. KADISON and I. M. SINGER, Some remarks on representations of connected groups, *Proc. Natl. Acad. Sci. U.S.A.* **38** (1952) 419–423.
- [875] R. V. KADISON and I. M. SINGER, Three test problems in operator theory, *Pacific J. Math.* **7** (1957) 1101–1106.
- [876] R. V. KADISON and I. M. SINGER, Extensions of pure states, *Amer. J. Math.* **81** (1959) 383–400.
- [877] R. V. KADISON and I. M. SINGER, Triangular operator algebras. Fundamentals and hyperreducible theory, *Amer. J. Math.* **82** (1960) 227–259.
- [878] D. A. KAJDAN, On the relations between the dual space of a group and the structure of its closed subgroups, *Funkcional. Anal. Priložen.* **1** (1967) 71–74 (in Russian).
- [879] R. R. KALLMAN, Uniform continuity, unitary groups and compact operators, *J. Functional Anal.* **1** (1967) 245–253.
- [880] R. R. KALLMAN, The strong bounded topology on groups of automorphisms of a Von Neumann algebra, *Proc. Amer. Math. Soc.* **23** (1969) 367–372.
- [881] R. R. KALLMAN, A remark on a paper of J. F. Aarnes, *Commun. Math. Phys.* **14** (1969) 13–14.
- [882] R. R. KALLMAN, Unitary groups and automorphisms of operator algebras, *Amer. J. Math.* **91** (1969) 785–806.
- [883] R. R. KALLMAN, A generalization of free action, *Duke Math. J.* **36** (1969) 781–789.
- [884] R. R. KALLMAN, A generalization of a theorem of Berger and Coburn, *J. Math. Mech.* **19** (1969) 1005–1010.
- [885] R. R. KALLMAN, One-parameter groups of automorphisms of II_1 Von Neumann algebras, *Proc. Amer. Math. Soc.* **24** (1970) 336–340.
- [886] R. R. KALLMAN, Groups of inner automorphisms of Von Neumann algebras, *J. Functional Anal.* **7** (1971) 43–60.
- [887] R. R. KALLMAN, Spatially induced groups of automorphisms of certain Von Neumann algebras, *Trans. Amer. Math. Soc.* **156** (1971) 505–515.
- [888] R. R. KALLMAN, A theorem on the restriction of type I representations of a group to certain of its subgroups, *Proc. Amer. Math. Soc.* **40** (1973) 291–296.
- [889] R. R. KALLMAN, Square-integrable representations are direct summands of the left regular representations, to appear.
- [890] J. KAMINKER and C. SCHOCHE, Ext(X) from a homological point of view, in: *Lecture Notes in Math.* **345** (1973) 129–142.
- [891] J. KAMINKER and C. SCHOCHE, Steenrod homology and operator algebras, *Bull. Amer. Math. Soc.* **81** (1975) 431–437.

- [892] E. KANIUTH, Der Type der regulären Darstellung diskreter Gruppen, *Math. Ann.* **182** (1969) 334–339.
- [893] I. KAPLANSKY, Normed algebras, *Duke Math. J.* **6** (1949) 399–418.
- [894] I. KAPLANSKY, Groups with representations of bounded degree, *Can. J. Math.* **1** (1949) 105–112.
- [895] I. KAPLANSKY, Quelques résultats sur les anneaux d'opérateurs, *C.R. Acad. Sci. Paris* **231** (1950) 485–486.
- [896] I. KAPLANSKY, The structure of certain operator algebras, *Trans. Amer. Math. Soc.* **70** (1951) 219–255.
- [897] I. KAPLANSKY, Group algebras in the large, *Tôhoku Math. J.* **3** (1951) 249–256.
- [898] I. KAPLANSKY, A theorem on rings of operators, *Pacific J. Math.* **1** (1951) 227–232.
- [899] I. KAPLANSKY, Projections in Banach algebras, *Ann. Math.* **53** (1951) 235–249.
- [900] I. KAPLANSKY, Representations of separable algebras, *Duke Math. J.* **19** (1952) 219–222.
- [901] I. KAPLANSKY, Algebras of type I, *Ann. Math.* **56** (1952) 460–472.
- [902] I. KAPLANSKY, Modules over operator algebras, *Amer. J. Math.* **75** (1953) 839–853.
- [903] I. KAPLANSKY, Functional analysis, *Some Aspects of Analysis and Probability* (Wiley, New York, 1958) 1–34.
- [904] I. KAPLANSKY, *Rings of Operators* (Benjamin, New York, 1968).
- [905] I. KAPLANSKY, Algebraic and analytic aspects of operator algebras, Regional Conf. Ser. in Math. (Amer. Math. Soc., Providence, R.I., 1970).
- [906] M. KAROUBI, Matrices de Jacobi, périodicité de Bott et C*-algèbres, *C.R. Acad. Sci. Paris* **268** (1969) 1091–1094.
- [907] I. KASAHARA and H. TAKAI, Approximate proper values and characters of C*-algebras, *Proc. Japan Acad.* **48** (1972) 91–93.
- [908] D. KASTLER, The C*-algebra of a free boson field, *Commun. Math. Phys.* **1** (1965) 14–48.
- [909] D. KASTLER, Topics in the algebraic approach to field theory, Cargèse Lectures (Gordon and Breach, New York, 1967) 289–302.
- [910] D. KASTLER, G. LOUPIAS, M. MEBKHOUT and L. MICHEL, Central decomposition of invariant states. Applications to the group of time translations and of euclidean transformations in algebraic field theory, *Commun. Math. Phys.* **27** (1972) 195–222.
- [911] D. KASTLER and J. C. T. POOL, Quasi-unitary algebras attached to temperature states in statistical mechanics; a comment on the work of Haag, Hugenholtz and Winnink, *Commun. Math. Phys.* **12** (1969) 175–192.
- [912] D. KASTLER and D. W. ROBINSON, Invariant states in statistical mechanics, *Commun. Math. Phys.* **3** (1966) 151–180.
- [913] D. KASTLER, D. W. ROBINSON and A. SWIECA, Conserved currents and associated symmetries; Goldstone's theorem, *Commun. Math. Phys.* **2** (1966) 108–120.
- [914] D. KASTLER, M. SIRUGUE and J. C. TROTIN, Commutants of certain operator algebras on Fock space *Ann. Inst. H. Poincaré (A)* **4** (1966) 77–82.
- [915] Y. KATAYAMA, The tensor product of weights, *Proc. Japan Acad.* **50** (1974) 430–432.
- [916] E. T. KEHLET, On the monotone sequential closure of a C*-algebra, *Math. Scand.* **25** (1969) 59–70.
- [917] J. L. KELLEY, Commutative operator algebras, *Proc. Natl. Acad. Sci. U.S.A.* **38** (1952) 598–605.

- [918] J. L. KELLY and R. L. VAUGHT. The positive cone in Banach algebras. *Trans. Amer. Math. Soc.* **74** (1953) 44–55.
- [919] M. R. W. KERVIN. The trace-class of a full Hilbert algebra. *Trans. Amer. Math. Soc.* **178** (1973) 259–270.
- [920] S. S. KHORUŽY. The extended locality and other properties of local W^* -algebras. *Teoret. Mat. Fiz.* **1** (1969) 95–100 (in Russian).
- [921] S. S. KHORUŽY. The structure of the local W^* -algebras in quantum field theory. *Teoret. Mat. Fiz.* **2** (1970) 350–360 (in Russian).
- [922] A. A. KIRILLOV. Unitary representations of nilpotent Lie groups. *Uspehi Mat. Nauk* **17** (1962) 57–110 (in Russian).
- [923] A. A. KIRILLOV. Dynamical systems, factors and representations of groups. *Russian Math. Surv.* **22** (1967) 63–75 (in Russian).
- [924] E. V. KISSIN. C^* -algebras generated by dynamical systems and weighted shifts. *Dokl. Akad. Nauk SSSR* **216** (1974) 1215–1218 (in Russian).
- [925] E. V. KISSIN. C^* -algebras generated by dynamical systems and N -dimensional weighted shifts. *Dokl. Akad. Nauk. SSSR* **219** (1974) 1061–1064 (in Russian).
- [926] C. W. KOHLS and L. J. LARDY. Extensions and retractions of algebras of continuous functions. *Illinois J. Math.* **12** (1968) 539–549.
- [927] M. KONDŌ. Sur la notion de dimension. *Proc. Imper. Acad. Tokyo* **19** (1943) 215–223.
- [928] M. KONDŌ. Les anneaux des opérateurs et les dimensions. *Proc. Imper. Acad. Tokyo* **20** (1944) 389–398.
- [929] M. KONDŌ. Sur les sommes directes des espaces linéaires. *Proc. Imper. Acad. Tokyo* **20** (1944) 425–431.
- [930] M. KONDŌ. Sur la réductibilité des anneaux des opérateurs. *Proc. Imper. Acad. Tokyo* **20** (1944) 432–438.
- [931] M. KONDŌ. Le produit kroneckerien infini des espaces linéaires. *Proc. Imper. Acad. Tokyo* **20** (1944) 569–579.
- [932] M. KONDŌ. Les anneaux des opérateurs et les dimensions. II. *Proc. Imper. Acad. Tokyo* **20** (1944) 689–693.
- [933] P. KOOSIS. An irreducible unitary representation of a compact group is finite dimensional. *Proc. Amer. Math. Soc.* **8** (1957) 712–715.
- [934] I. KOVACS. Un complément à la théorie de l'intégration non commutative. *Acta Sci. Math. Szeged* **21** (1960) 7–11.
- [935] I. KOVACS. Théorèmes ergodiques non commutatifs. *C.R. Acad. Sci. Paris* **253** (1961) 770–771.
- [936] I. KOVACS. Sur certains automorphismes des algèbres hilbertiennes. *Acta. Sci. Math. Szeged* **22** (1961) 234–242.
- [937] I. KOVACS. Ergodic theorems for gages. *Acta. Sci. Math. Szeged* **24** (1963) 103–118.
- [938] I. KOVACS. Power bounded operators and finite type Von Neumann algebras. in: *Hilbert Space Operators*. Colloq. Math. Soc. János Bolyai (North-Holland, Amsterdam 1970) 351–352.
- [939] I. KOVACS and J. SZÜCS. Théorèmes de type ergodique dans les algèbres de Von Neumann. *C.R. Acad. Sci. Paris* **262** (1966) 341–344.
- [940] I. KOVACS and J. SZÜCS. Ergodic type theorem in Von Neumann algebras. *Acta Sci. Math. Szeged* **27** (1966) 233–246.
- [941] I. KOVACS and J. SZÜCS. A note on invariant linear forms on Von Neumann algebras, *Acta Sci. Math. Szeged* **30** (1969) 35–37.

- [942] F. KRAUSS. Structure theory of C^* -algebras. Dissertation. Tulane Univ. New Orleans. La., (1973).
- [943] F. KRAUSS and T. C. LAWSON. Examples of homogeneous C^* -algebras. *Mem. Amer. Math. Soc.* **148** (1974) 153–164.
- [944] W. KRIEGER. On constructing non-*isomorphic hyperfinite factors of type III. *J. Functional Anal.* **6** (1970) 97–109.
- [945] W. KRIEGER. On the Araki-Woods asymptotic ratio set and non-singular transformations of a measure space. in: *Contributions to Ergodic Theory and Probability*. Lecture Notes in Math. **160** (Springer, Berlin, 1970).
- [946] W. KRIEGER. On a class of hyperfinite factors that arise from null-recurrent Markov chains. *J. Functional Anal.* **7** (1971) 27–42.
- [947] W. KRIEGER. On hyperfinite factors and non-singular transformations of a measure space. to appear.
- [948] W. KRIEGER. On ergodic flows and the isomorphism of factors, *Math. Ann.* **223** (1976) 19–70.
- [949] R. A. KUNZE. L^p -Fourier transforms on locally compact unimodular groups. *Trans. Amer. Math. Soc.* **89** (1958) 519–540.
- [950] R. A. KUNZE and E. M. STEIN. Uniformly bounded representations and harmonic analysis of the 2×2 real unimodular group, *Amer. J. Math.* **82** (1960) 1–62.
- [951] M. KURANISHI. On non-connected maximally almost periodic groups, *Tôhoku Math. J.* **2** (1950) 40–46.
- [952] D. LAISON. On W^* -imbedding of AW^* -algebras. *Proc. Amer. Math. Soc.* **35** (1972) 499–502.
- [953] D. LAISON and G. LAISON. Topological dynamics on C^* -algebras, *Trans. Amer. Math. Soc.* **204** (1975) 197–205.
- [954] E. C. LANCE. Automorphisms of postliminal C^* -algebras, *Pacific J. Math.* **23** (1967) 547–555.
- [955] E. C. LANCE. Inner automorphisms of UHF algebras, *J. London Math. Soc.* **43** (1968) 681–688.
- [956] E. C. LANCE. Automorphisms of certain operator algebras. *Amer. J. Math.* **91** (1969) 160–174.
- [957] E. C. LANCE. Notes on the Glimm-Sakai theorem, Lecture Notes. Univ. of Newcastle upon Tyne (1970–71).
- [958] E. C. LANCE. On nuclear C^* -algebras. *J. Functional Anal.* **12** (1973) 157–176.
- [959] E. C. LANCE. Direct integrals of left Hilbert algebras, *Math. Ann.* **216** (1975) 11–28.
- [960] L. J. LANDAU. A note on extended locality. *Commun. Math. Phys.* **13** (1969) 246–253.
- [961] M. B. LANDSTAD. Covariant systems over a compact group, to appear.
- [962] M. B. LANDSTAD. Duality theory for covariant systems, to appear.
- [963] O. E. LANFORD. The KMS states of a quantum spin system. in: *Colloq. Sur les Systèmes à un Nombre Infini de Degrés de Liberté* (CNRS. Paris, 1970) 146–154.
- [964] O. LANFORD and D. RUELLE. Integral representations of invariant states on B^* -algebras. *J. Math. Phys.* **8** (1967) 1460–1463.
- [965] O. LANFORD and D. W. ROBINSON. Statistical mechanics of quantum spin systems. III. *Commun. Math. Phys.* **9** (1968) 327–338.
- [966] O. E. LANFORD and D. W. ROBINSON. Mean entropy of states in quantum statistical mechanics, *J. Math. Phys.* **9** (1968) 1120–1125.

- [967] O. E. LANFORD, and D. RUELLE, Observables at infinity and states with short range correlations in statistical mechanics, *Commun. Math. Phys.* **13** (1969) 194–215.
- [968] J. LANGERHOLC and B. SCHROER, On the structure of the Von Neumann algebras generated by local functions of the free Base field, *Commun. Math. Phys.* **1** (1965) 215–239.
- [969] C. LANSKY, The group of units of a simple ring, II, *J. Algebra* **16** (1970) 108–128.
- [970] J. M. LASRY, Un théorème de convexité dans les algèbres de Von Neumann, *C.R. Acad. Sci. Paris* **281** (1975) 153–154.
- [971] K. B. LAURSEN, Tensor products of Banach *-algebras, *Trans. Amer. Math. Soc.* **136** (1969) 467–487.
- [972] K. B. LAURSEN, A note on lifting of matrix units in C^* -algebras, *Math. Scand.* **33** (1973) 338–342.
- [973] K. B. LAURSEN and A. M. SINCLAIR, Lifting matrix units in C^* -algebras, II, *Math. Scand.* **37** (1975) 167–172.
- [974] K. B. LAURSEN and J. D. STEIN, Automatic continuity in Banach spaces and algebras, *Amer. J. Math.* **95** (1973) 495–506.
- [975] A. J. LAZAR and D. C. TAYLOR, Double centralizers of Pedersen's ideal of a C^* -algebra, *Bull. Amer. Math. Soc.* **78** (1972) 992–997.
- [976] A. J. LAZAR and D. C. TAYLOR, Double centralizer of Perderson's ideal of a C^* -algebra, II, *Bull. Amer. Math. Soc.* **79** (1973) 361–366.
- [977] A. J. LAZAR and D. C. TAYLOR, A Dauns–Hofmann theorem for $\Gamma(L)$, *Mem. Amer. Math. Soc.* **148** (1974) 135–144.
- [978] A. LEBOW, Spatial homomorphisms of operator algebras, *Indiana Univ. Math. J.* **24** (1975) 865–873.
- [979] A. LEBOW and A. SCHROEDER, Bernstein theorem for projections, *Proc. Amer. Math. Soc.* **19** (1968) 144–145.
- [980] M. J. LENNON, Direct integrals of locally measurable operators, *Math. Scand.* **32** (1973) 123–132.
- [981] H. LEPTIN, Zur Reduktionstheorie Hilbertscher Raüme, *Math. Z.* **69** (1958) 40–58.
- [982] H. LEPTIN, Reduktion linearer Funktionale auf Operatorringen, *Abh. Math. Sem. Univ. Hamburg* **22** (1958) 98–113.
- [983] H. LEPTIN, Verallgemeinerte L^1 -algebren und projektive Darstellungen lokal kompakter Gruppen, I, II, *Invent. Math.* **3** (1967) 257–281, **4** (1967) 68–86.
- [984] H. LEPTIN, Darstellungen verallgemeinerter L^1 -Algebren, *Invent. Math.* **5** (1968) 192–215.
- [985] H. LEPTIN, A separable postliminal C^* -algebra without maximal closed ideals, *Trans. Amer. Math. Soc.* **159** (1971) 489–496.
- [986] H. LEPTIN, Darstellungen verallgemeinerter L^1 -Algebren, II, in: *Lecture Notes in Math.* **247** (Springer, Berlin, 1972) 251–307.
- [987] J. T. LEWIS and P. N. M. SISSON, A C^* -algebra of the two-dimensional Ising model, *Commun. Math. Phys.* **44** (1975) 279–292.
- [988] E. LIEB and M. RUSKAI, Some operator inequalities of the Schwarz type, to appear.
- [989] A. LIEBERMAN, Measurable vectors for Von Neumann algebras, *J. Functional Anal.* **18** (1975) 191–212.
- [990] G. LINDBLAD, Expectations and entropy inequalities for finite quantum systems,

Commun. Math. Phys. **39** (1974) 111–119.

- [991] A. A. LODKIN, Every measure on the projectors of a W^* -algebra can be extended to a state, *Funkcional. Anal. Prilož.* **8** (1974) 54–58 (in Russian).
- [992] R. I. LOEBL, Injective Von Neumann algebras, *Proc. Amer. Math. Soc.* **44** (1974) 46–48.
- [993] A. I. LOGINOV and V. S. SULMAN, The Sarason theorem and the Radjavi-Rosenthal conjecture, *Dokl. Akad. Nauk SSSR* **205** (1972) 284–285 (in Russian).
- [994] A. I. LOGINOV and V. S. SULMAN, The hereditary and intermediate reflexivity of W^* -algebras, *Dokl. Akad. Nauk. SSSR* **212** (1973) 810–812 (in Russian).
- [995] L. H. LOOMIS, *An Introduction to Abstract Harmonic Analysis*, (Van Nostrand, New York, 1953).
- [996] L. H. LOOMIS, The lattice-theoretic background of the dimension theory of operator algebras, *Mem. Amer. Math. Soc.* **18** (1955).
- [997] L. H. LOOMIS, Unique direct integral decomposition of convex sets, *Amer. J. Math.* **84** (1962) 509–526.
- [998] F. LORENZ, Die Epimorphismen der Ringe von Operatoren, *Arch. Math. (Basel)* **20** (1969) 48–53.
- [999] G. LOUPIAS and S. MIRACLE-SOLE, C^* -algèbres des systèmes canoniques, I, *Commun. Math. Phys.* **2** (1966) 31–48.
- [1000] G. LOUPIAS and S. MIRACLE-SOLE, C^* -algèbres des systèmes canoniques, II, *Ann. Inst. H. Poincaré* **6** (1966) 39–58.
- [1001] E. LUFT, The two-sided closed ideals of the algebra of bounded linear operators of a Hilbert space, *Czech. Math. J.* **18** (1968) 595–605.
- [1002] G. LUMER, Etats, algèbres quotients et sous-espaces invariants, *C.R. Acad. Sci. Paris* **274** (1972) 1308–1311.
- [1003] G. W. MACKEY, Induced representations of groups, *Amer. J. Math.* **73** (1951) 576–592.
- [1004] G. W. MACKEY, Induced representations of locally compact groups, I, *Ann. Math.* **55** (1952) 101–139.
- [1005] G. W. MACKEY, Induced representations of locally compact groups, II: The Frobenius reciprocity theorem, *Ann. Math.* **58** (1953) 193–221.
- [1006] G. W. MACKEY, The theory of group representations, Mimeographed Notes, Univ. of Chicago, Chicago, Ill. (1955).
- [1007] G. W. MACKEY, Borel structure in groups and their duals, *Trans. Amer. Math. Soc.* **85** (1957) 134–165.
- [1008] G. W. MACKEY, Unitary representations of group extensions, *Acta Math.* **99** (1958) 265–311.
- [1009] G. W. MACKEY, Induced representations and normal subgroups, in: *Proc. Intern. Symp. on Linear Spaces, Jerusalem* (1960).
- [1010] S. MAEDA, Relative dimensionality in operator rings, *J. Sci. Hiroshima Univ.* **11** (1941) 1–6.
- [1010] S. MAEDA, Relative dimensionality in operator rings, *J. Sci. Hiroshima Univ.* **11** (1955) 211–237.
- [1012] S. MAEDA, Lengths of projections in rings of operators, *J. Sci. Hiroshima Univ.* **20** (1956) 5–11.
- [1013] S. MAEDA, On the lattice of projections of a Baer $*$ -ring, *J. Sci. Hiroshima Univ.* **22** (1958) 75–88.

- [1014] B. D. MALVIYA, A problem concerning weakly completely continuous A^* -algebras, *Amer. Math. Monthly* **81** (1974) 267–268.
- [1015] B. D. MALVIYA and B. J. TOMIUK, Multiplier operators on B^* -algebras, *Proc. Amer. Math. Soc.* **31** (1972) 505–510.
- [1016] J. MANUCEAU, Etude de quelques automorphismes de la C^* -algèbre du champ de bosons libres, *Ann. Inst. H. Poincaré* (A) **8** (1968) 117–138.
- [1017] J. MANUCEAU, C^* -algèbre des relations de commutation, *Ann. Inst. H. Poincaré* (A) **8** (1968) 139–161.
- [1018] J. MANUCEAU, Etude algébrique des états quasi-libres, *Cargèse Lectures in Phys.* **4** (1970) 303–322.
- [1019] J. MANUCEAU, J. NAUDTS and A. VERBEURRE, Entropy and normal states, *Commun. Math. Phys.* **27** (1972) 327–338.
- [1020] J. MANUCEAU, F. ROCCA and D. TESTARD, On the product form of quasi-free states, *Commun. Math. Phys.* **12** (1969) 43–57.
- [1021] J. MANUCEAU, M. SIRUGUE, D. TESTARD and A. VERBEURRE, The smallest C^* -algebra for canonical commutation relations, *Commun. Math. Phys.* **32** (1973) 231–243.
- [1022] J. MANUCEAU and J. C. TROTIN, On lattice spin systems, to appear.
- [1023] J. MANUCEAU and A. VERBEURRE, Quasi-free states of the CCR algebra and Bogoliubov transformations, *Commun. Math. Phys.* **9** (1968) 293–302.
- [1024] J. MANUCEAU and A. VERBEURRE, Non factor quasi-free states of the CAR-algebra, *Commun. Math. Phys.* **18** (1970) 319–329.
- [1025] O. MARECHAL, Opérateurs décomposables dans les champs mesurables d'espaces de Hilbert, *C.R. Acad. Sci. Paris* **266** (1968) 710–713.
- [1026] O. MARECHAL, Opérateurs décomposables dans les espaces L_E^p , *C.R. Acad. Sci. Paris* **266** (1968) 1043–1045.
- [1027] O. MARECHAL, Décomposition des opérateurs dans les champs mesurables d'espaces de Hilbert, *C.R. Acad. Sci. Paris* **267** (1968) 636–639.
- [1028] O. MARECHAL, Champs mesurables d'espaces hilbertiens, *Bull. Sci. Math.* **93** (1969) 113–143.
- [1029] O. MARECHAL, Champs mesurables d'espaces hilbertiens, *C.R. Acad. Sci. Paris* **270** (1970) 1316–1319.
- [1030] O. MARECHAL, Topologie et structure borélienne sur l'ensemble des algèbres de Von Neumann, *C.R. Acad. Sci. Paris* **276** (1973) 847–850.
- [1031] O. MARECHAL, Une remarque sur un théorème de Glimm, *Bull. Sci. Math.* **99** (1975) 41–44.
- [1032] K. MATOBA, A remark on a theorem of H. Araki, *Proc. Japan Acad.* **42** (1966) 344–346.
- [1033] S. MATSUSHITA, Sur le théorème de Plancherel, *Proc. Japan Acad.* **30** (1954) 557–561.
- [1034] F. I. MAUTNER, The completeness of the irreducible unitary representations of a locally compact group, *Proc. Natl. Acad. Sci. U.S.A.* **34** (1948) 52–54.
- [1035] F. I. MAUTNER, The structure of the regular representation of certain discrete groups, *Duke Math. J.* **17** (1950) 437–441.
- [1036] F. I. MAUTNER, Unitary representations of locally compact groups, I, *Ann. Math.* **51** (1950) 1–25.
- [1037] F. I. MAUTNER, Unitary representations of locally compact groups, II, *Ann. Math.* **52** (1950) 528–556.

- [1038] F. I. MAUTNER, Infinite-dimensional representations of certain groups, *Proc. Amer. Math. Soc.* **1** (1950) 582–584.
- [1039] F. I. MAUTNER, The regular representation of a restricted direct product of finite groups, *Trans. Amer. Math. Soc.* **70** (1951) 531–548.
- [1040] F. I. MAUTNER, Induced representations, *Amer. J. Math.* **74** (1952) 737–758.
- [1041] F. I. MAUTNER, Note on the Fourier inversion formula on groups, *Trans. Amer. Math. Soc.* **78** (1955) 371–384.
- [1042] M. E. MAYER, Automorphism groups of C^* -algebras, Fell bundles, W^* -bigebras and the description of internal symmetries in algebraic quantum theory, *Acta Phys. Austriaca, Suppl.* **8** (1971) 117–226.
- [1043] C. McCARTHY, Optimal conditioning of operators on Hilbert space, in: *Proc. Symp. on Functional Analysis* (Academic Press, New York, 1970) 107–126.
- [1044] C. A. McCARTHY, The norm of a certain derivation, *Pacific J. Math.* **53** (1974) 515–518.
- [1045] E. A. MCCAREN, A characterization of dual B^* -algebras, *Proc. Amer. Math. Soc.* **37** (1973) 84.
- [1046] E. A. MCCAREN, A new topology on B^* -algebras arising from the Arens products, *Proc. Amer. Math. Soc.* **37** (1973) 77–83.
- [1047] D. McDUFF, A countable infinity of II_1 -factors, *Ann. Math.* **90** (1969) 361–371.
- [1048] D. McDUFF, Uncountable many II_1 -factors, *Ann. Math.* **90** (1969) 372–377.
- [1049] D. McDUFF, On the structure of II_1 -factors, *Russian Math. Surv.* **25** (1970) 29–50.
- [1050] D. McDUFF, Central sequences and the hyperfinite factor, *Proc. London Math. Soc.* **21** (1970) 443–461.
- [1051] D. McDUFF, On residual sequences in a II_1 -factor, *J. London Math. Soc.* **3** (1971) 273–280.
- [1052] K. MCKENNON, The strict topology and the Cauchy structure of the spectrum of a C^* -algebra, *Gen. Topology Appl.* **5** (1975) 249–262.
- [1053] S. A. MCKILLIGAN, Duality in B^* -algebras, *Proc. Amer. Math. Soc.* **38** (1973) 86–88.
- [1054] E. J. MCSHANE, Families of measures and representation of algebras of operators, *Trans. Amer. Math. Soc.* **102** (1962) 328–345.
- [1055] C. R. MIERS, Lie isomorphisms of factors, *Trans. Amer. Math. Soc.* **147** (1970) 55–63.
- [1056] C. R. MIERS, Lie homomorphisms of operator algebras, *Pacific J. Math.* **38** (1971) 717–735.
- [1057] C. R. MIERS, Derived ring isomorphisms of Von Neumann algebras, *Can. J. Math.* **25** (1973) 1254–1268.
- [1058] C. R. MIERS, Lie derivations of Von Neumann algebras, *Duke Math. J.* **40** (1973) 403–409.
- [1059] C. R. MIERS, Polynomially ideal C^* -algebras, *Amer. J. Math.* **98** (1976) 165–170.
- [1060] P. E. MILES, Order isomorphisms of B^* -algebras, *Trans. Amer. Math. Soc.* **107** (1963) 217–236.
- [1061] P. MILES, B^* -algebras, *Pacific J. Math.* **14** (1964) 627–637.
- [1062] P. MILES, Derivations on B^* -algebras, *Pacific J. Math.* **14** (1964) 1359–1366.
- [1063] D. MILIĆIĆ, A note on invariant order ideals in the predual of a Von Neumann algebra, *Glasnik Mat.* **6** (1971) 71–72.
- [1064] D. MILIĆIĆ, On C^* -algebras with bounded trace, *Glasnik Mat.* **8** (1973) 7–22.
- [1065] D. MILMAN, On the theory of rings with involution, *Dokl. Akad. Nauk SSSR* **76** (1951) 349–352.

- [1066] S. MIRACLE-SOLE, Traitement de la convolution gauche pour les systèmes infinis, *Ann. Inst. H. Poincaré* (A) **6** (1967) 59–71.
- [1067] S. MIRACLE-SOLE and D. W. ROBINSON, The physical states of Fermi systems, *Commun. Math. Phys.* **14** (1969) 235–270.
- [1068] S. MIRACLE-SOLE and D. W. ROBINSON, Statistical mechanics of quantum-mechanical particles with hard cores, II: The equilibrium states, *Commun. Math. Phys.* **19** (1970) 204–218.
- [1069] Y. MISONOU, On a weakly central operator algebra, *Tôhoku Math. J.* **4** (1952) 194–202.
- [1070] Y. MISONOU, Operator algebras of type I, *Kodai Math. Sem. Rept.* **5** (1953) 87–90.
- [1071] Y. MISONOU, Unitary equivalence of factors of type III, *Proc. Japan. Acad.* **29** (1953) 482–485.
- [1072] Y. MISONOU, On the direct product of W^* -algebras, *Tôhoku Math. J.* **6** (1954) 189–204.
- [1073] Y. MISONOU, Generalized approximately finite operator algebras, *Tôhoku Math. J.* **7** (1955) 192–205.
- [1074] Y. MISONOU, On divisors of factors, *Tôhoku Math. J.* **8** (1956) 63–69.
- [1075] Y. MISONOU and M. NAKAMURA, Centering of an operator algebra, *Tôhoku Math. J.* **3** (1951) 243–248.
- [1076] H. MIYATA, On clustering states, *Commun. Math. Phys.* **34** (1973) 1–6.
- [1077] GH. MOCANU, The joint approximate spectrum of a finite system of elements of a C^* -algebra, *Studia Math.* **49** (1973) 252–262.
- [1078] J. MOFFAT, Continuity of automorphic representations, *Proc. Cambridge Philos. Soc.* **74** (1973) 461–465.
- [1079] J. MOFFAT, On groups of automorphisms of the tensor product of Von Neumann algebras, *Math. Scand.* **34** (1974) 226–230.
- [1080] J. MOFFAT, Connected topological groups acting on Von Neumann algebras, *J. London Math. Soc.* **9** (1975) 411–417.
- [1081] M. S. MONTGOMERY, Left and right inverses in group algebras, *Bull. Amer. Math. Soc.* **75** (1969) 539–540.
- [1082] C. C. MOORE, Invariant measures on product spaces, in: *Proc. 5th Berkeley Symp. on Mathematical Statistics and Probability*, Vol. 2, part 2 (1967) 447–459.
- [1083] R. T. MOORE, Hermitian functionals on B -algebras and duality characterizations of C^* -algebras, *Trans. Amer. Math. Soc.* **162** (1971) 253–265.
- [1084] R. D. MOYER, Computation of symbols on C^* -algebras of singular integral operators, *Bull. Amer. Math. Soc.* **77** (1971) 615–620.
- [1085] P. MUHLY, A structure theory for isometric representations of a class of semi-groups, to appear.
- [1086] S. MURAKAMI, Remarks on the structure of maximally almost periodic groups, *Osaka Math. J.* **2** (1950) 119–129.
- [1087] G. P. MURAV'ERA, Maximal abelian subrings in an approximately finite factor, *Sibirsk. Mat. Ž.* **9** (1968) 614–622 (in Russian).
- [1088] G. P. MURAV'ERA, Finite transformations of X -generators in a maximal abelian subalgebra of an approximately finite factor, *Izv. Vysš. Učebn. Zaved. Mat.* **10** (1970) 61–68 (in Russian).
- [1089] G. P. MURAV'ERA, On regular abelian subalgebras in an approximately finite factor, *Sibirsk. Mat. Ž.* **13** (1972) 805–816 (in Russian).

- [1090] I. S. MURPHY. A note on B^* -algebras. *Glasgow Math. J.* **14** (1973) 185–186.
- [1091] F. J. MURRAY. Bilinear transformations in Hilbert space. *Trans. Amer. Math. Soc.* **45** (1939) 474–507.
- [1092] F. J. MURRAY and J. VON NEUMANN. On rings of operators. *Ann. Math.* **37** (1936) 116–229.
- [1093] F. J. MURRAY and J. VON NEUMANN. On rings of operators. II. *Trans. Amer. Math. Soc.* **41** (1937) 208–248.
- [1094] F. J. MURRAY and J. VON NEUMANN. On rings of operators. IV. *Ann. Math.* **44** (1943) 716–808.
- [1095] L. NACHBIN. On the finite dimensionality of every irreducible unitary representation of a compact group, *Proc. Amer. Math. Soc.* **12** (1961) 11–12.
- [1096] B. NAGEL. Some results in non-commutative ergodic theory. *Commun. Math. Phys.* **26** (1972) 247–258.
- [1097] M. A. NAÍMARK. Rings with involution. *Uspehi Mat. Nauk* **3** (1948) 52–142 (in Russian).
- [1098] M. A. NAÍMARK. Rings of operators in Hilbert spaces, *Uspehi Mat. Nauk* **4** (1949) 83–147 (in Russian).
- [1099] M. A. NAÍMARK. On a problem in the theory of rings with involution. *Uspehi Mat. Nauk* **6** (1951) 160–164 (in Russian).
- [1100] M. A. NAÍMARK. On a continuous analogue of Schur's lemma, *Dokl. Akad. Nauk SSSR* **98** (1954) 185–188 (in Russian).
- [1101] M. A. NAÍMARK. *Normed Rings* (Moscow, 1956) (in Russian).
- [1102] M. A. NAÍMARK. Factorial representations of a locally compact group. *Dokl. Akad. Nauk SSSR* **134** (1960) 275–277 (in Russian).
- [1103] M. A. NAÍMARK. The decomposition in factorial representations of unitary representations of locally compact groups. *Sibirsk. Mat. Ž.* **2** (1961) 89–99 (in Russian).
- [1104] M. A. NAÍMARK. The structure of factorial representations of a locally compact group, *Dokl. Akad. Nauk SSSR* **148** (1963) 775–778 (in Russian).
- [1105] M. A. NAÍMARK and S. V. FOMIN. Continuous direct sums of Hilbert spaces and some applications. *Uspehi Mat. Nauk* **10** (1955) 111–142 (in Russian).
- [1106] Y. NAKAGAMI. Infinite tensor products of Von Neumann algebras. I, *Kodai Math. Sem. Rept.* **22** (1970) 341–354.
- [1107] Y. NAKAGAMI. Infinite tensor products of Von Neumann algebras. II. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **6** (1970) 257–292.
- [1108] Y. NAKAGAMI. Infinite tensor products of operators. *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **10** (1974) 111–145.
- [1109] Y. NAKAGAMI. Duality for crossed products of Von Neumann algebras by locally compact groups, *Bull. Amer. Math. Soc.* **81** (1975) 1106–1108.
- [1110] M. NAKAI. Some expectations in AW^* -algebras, *Proc. Japan Acad.* **34** (1958) 411–416.
- [1111] R. NAKAMOTO and M. NAKAMURA. On theorems of Korovkin. II, *Proc. Japan Acad.* **41** (1965) 433–435.
- [1112] M. NAKAMURA. The two-sided representations of an operator algebra. *Proc. Japan Acad.* **27** (1951) 172–176.
- [1113] M. NAKAMURA. On the direct product of finite factors. *Tôhoku Math. J.* **6** (1954) 205–207.

- [1114] M. NAKAMURA, On operators of Schaefer class in the theory of singular integral equations, *Proc. Japan Acad.* **33** (1957) 455–456.
- [1115] M. NAKAMURA, A proof of a theorem of Takesaki, *Kodai Math. Sem. Rept.* **10** (1958) 189–190.
- [1116] M. NAKAMURA, Y. OTOMI and Y. URATA, A remark on the carrier projections in abelian operator algebras, *Mem. Osaka Gakugei Univ.* **13** (1964) 25–26.
- [1117] M. NAKAMURA and H. TAKAI, Non-degeneracy and discrete models, *Proc. Japan Acad.* **48** (1972) 566–568.
- [1118] M. NAKAMURA and H. TAKAI, A note on the dilation theorems, II, *Proc. Japan Acad.* **48** (1972) 302–307.
- [1119] M. NAKAMURA and Z. TAKEDA, The Radon–Nikodym theorem of traces for a certain operator algebra, *Tôhoku Math. J.* **4** (1952) 275–283.
- [1120] M. NAKAMURA and Z. TAKEDA, Normal states of commutative operator algebras, *Tôhoku Math. J.* **5** (1953) 109–121.
- [1121] M. NAKAMURA and Z. TAKEDA, On some elementary properties of the crossed products of Von Neumann algebras, *Proc. Japan Acad.* **34** (1958) 489–494.
- [1122] M. NAKAMURA and Z. TAKEDA, On certain examples of the crossed product of finite factors, I, II, *Proc. Japan Acad.* **34** (1958) 495–499, 500–502.
- [1123] M. NAKAMURA and Z. TAKEDA, On the extensions of finite factors, I, *Proc. Japan Acad.* **35** (1959) 149–154.
- [1124] M. NAKAMURA and Z. TAKEDA, A Galois theory for finite factors, *Proc. Japan Acad.* **36** (1960) 258–260.
- [1125] M. NAKAMURA and Z. TAKEDA, On the fundamental theorem of the Galois theory for finite factors, *Proc. Japan Acad.* **36** (1960) 313–318.
- [1126] M. NAKAMURA and Z. TAKEDA, On inner automorphisms of certain finite factors, *Proc. Japan Acad.* **37** (1961) 31–32.
- [1127] M. NAKAMURA and Z. TAKEDA, On outer automorphisms of certain finite factors, *Proc. Japan Acad.* **37** (1961) 215–216.
- [1128] M. NAKAMURA, M. TAKESAKI and H. UMEGAKI, A remark on the expectation of operator algebras, *Kodai Math. Sem. Rept.* **12** (1960) 82–90.
- [1129] M. NAKAMURA and T. TURUMARU, Simple algebras of completely continuous operators, *Tôhoku Math. J.* **4** (1952) 303–308.
- [1130] M. NAKAMURA and T. TURUMARU, On extensions of pure states of an abelian operator algebra, *Tôhoku Math. J.* **6** (1954) 253–257.
- [1131] M. NAKAMURA and T. TURUMARU, Expectations in an operator algebra, *Tôhoku Math. J.* **6** (1954) 182–188.
- [1132] M. NAKAMURA and H. UMEGAKI, On a proposition of Von Neumann, *Kodai Math. Sem. Rept.* **8** (1956) 142–144.
- [1133] M. NAKAMURA and H. UMEGAKI, A note on the entropy for operator algebras, *Proc. Japan Acad.* **37** (1961) 149–154.
- [1134] M. NAKAMURA and H. UMEGAKI, On the Blackwell theorem in operator algebras, *Proc. Japan Acad.* **37** (1961) 312–315.
- [1135] M. NAKAMURA and H. UMEGAKI, On Von Neumann's theory of measurements in quantum statistics, *Math. Japon.* **7** (1962) 151–157.
- [1136] H. NAKANO, Hilbert algebras, *Tôhoku Math. J.* **2** (1950) 4–23.
- [1137] K. NAPIORKOWSKI, On the independence of local algebras, *Rept. Math. Phys.* **3** (1972) 33–35.

- [1138] H. NARNHOFER. Self-adjoint operators, derivations and automorphisms on C^* -algebras. *J. Math. Phys.* **16** (1975) 2192–2194.
- [1139] J. NAUDTS. Observables at infinity. *Ann. Soc. Sci. Bruxelles (I)* **84** (1970) 257–266.
- [1140] J. NAUDTS. A generalized entropy function. *Commun. Math. Phys.* **37** (1974) 175–182.
- [1141] J. NAUDTS and A. VERBEURRE. Number operator states on the CAR algebra. *Ann. Soc. Sci. Bruxelles (I)* **86** (1972) 101–108.
- [1142] J. NAUDTS, A. VERBEURRE and R. WEDER. Linear response theory and the KMS condition. *Commun. Math. Phys.* **44** (1975) 87–99.
- [1143] E. NELSON. Notes on non-commutative integration. *J. Functional Anal.* **15** (1974) 103–116.
- [1144] E. NELSON and W. F. STINESPRING. Representation of elliptic operators in the enveloping algebra. *Amer. J. Math.* **81** (1959) 547–560.
- [1145] R. NEST. Invariant weights of operator algebras satisfying the KMS condition. *Kumi* (1973, no. 10).
- [1146] S. M. NEWBERGER. R -algebras and locally convex spaces, *Math. Ann.* **176** (1968) 145–156.
- [1147] O. A. NIELSEN. Maximal abelian subalgebras in hyperfinite factors. *Bull. Amer. Math. Soc.* **75** (1969) 579–581.
- [1148] O. A. NIELSEN. Maximal abelian subalgebras in hyperfinite factors. *Trans. Amer. Math. Soc.* **146** (1969) 259–272.
- [1149] O. A. NIELSEN. Maximal abelian subalgebras of hyperfinite factors. II. *J. Functional Anal.* **6** (1970) 192–202.
- [1150] O. A. NIELSEN. The asymptotic ratio set and direct integral decompositions of a Von Neumann algebra. *Can. J. Math.* **23** (1971) 598–607.
- [1151] O. A. NIELSEN. An example of a Von Neumann algebra of global type II. *J. Functional Anal.* **11** (1972) 207–210.
- [1152] O. A. NIELSEN. Borel sets of Von Neumann algebras. *Amer. J. Math.* **95** (1973) 145–164.
- [1153] O. A. NIELSEN. New proof of Sakai's theorems on global Von Neumann algebras. to appear.
- [1154] O. A. NIELSEN. Reduced crossed products of Von Neumann algebras. I, to appear.
- [1155] F. NIIRO. Sur l'unicité de la décomposition d'une trace. *Sci. Papers College Gen. Ed. Univ. Tokyo* **13** (1963) 159–162.
- [1156] V. N. NOSOV. Strongly closed ideals in operator $*$ -algebras. *Vestnik Moskov. Univ.* **4** (1970) 34–37 (in Russian).
- [1157] V. N. NOSOV. Extensions of C^* -algebras with continuous trace. *Funkcional. Anal. Prilož.* **6** (1972) 91–92.
- [1158] A. E. NUSSBAUM. On the reduction of C^* -algebras. *Bull. Amer. Math. Soc.* **15** (1964) 567–573.
- [1159] T. OGASAWARA. Finite dimensionality of certain Banach algebras. *J. Sci. Hiroshima Univ.* **17** (1954) 359–364.
- [1160] T. OGASAWARA. A theorem on operator algebras. *J. Sci. Hiroshima Univ.* **18** (1955) 307–309.
- [1161] T. OGASAWARA. A structure theorem for complete quasi-unitary algebras. *J. Sci. Hiroshima Univ.* **19** (1955) 79–85.

- [1162] T. OGASAWARA, Topologies on rings of operators, *J. Sci. Hiroshima Univ.* **19** (1955) 255–272.
- [1163] T. OGASAWARA and S. MAEDA, A generalization of a theorem of Dy, *J. Sci. Hiroshima Univ.* **20** (1956) 1–4.
- [1164] T. OGASAWARA and K. YOSHINAGA, Weakly completely continuous Banach *-algebras, *J. Sci. Hiroshima Univ.* **18** (1954) 15–36.
- [1165] T. OGASAWARA and K. YOSHINAGA, A characterization of dual B^* -algebras, *J. Sci. Hiroshima Univ.* **18** (1954) 179–182.
- [1166] T. OGASAWARA and K. YOSHINAGA, A non-commutative theory of integration for operators, *J. Sci. Hiroshima Univ.* **18** (1955) 311–347.
- [1167] T. OGASAWARA and K. YOSHINAGA, Extension of application to unbounded operators, *J. Sci. Hiroshima Univ.* **19** (1955) 273–299.
- [1168] Y. OKA, Uniformly hyperfinite algebras and locally compact transformation groups, *J. Math. Soc. Japan* **25** (1973) 357–362.
- [1169] T. OKAYASU, On the tensor product of C^* -algebras, *Tôhoku Math. J.* **18** (1966) 325–331.
- [1170] T. OKAYASU, A structure theorem of automorphisms of Von Neumann algebras, *Tôhoku Math. J.* **20** (1968) 199–206.
- [1171] T. OKAYASU, On GCR operators, *Tôhoku Math. J.* **21** (1969) 573–579.
- [1172] T. OKAYASU, On representations of tensor products in involutive Banach algebras, *Proc. Japan Acad.* **46** (1970) 404–408.
- [1173] T. OKAYASU, Some cross norms which are not uniformly cross, *Proc. Japan Acad.* **46** (1970) 54–57.
- [1174] T. OKAYASU, Polar decomposition for isomorphisms of C^* -algebras, *Tôhoku Math. J.* **26** (1974) 541–554.
- [1175] T. OKAYASU and M. TAKESAKI, Dual spaces of tensor products of C^* -algebras, *Tôhoku Math. J.* **18** (1966) 332–337.
- [1176] D. OLESEN, On norm-continuity and compactness of spectrum, *Math. Scand.* **35** (1974) 223–236.
- [1177] D. OLESEN, Derivations of AW*-algebras are inner, *Pacific J. Math.* **53** (1974) 555–561.
- [1178] D. OLESEN, Inner *-automorphisms of simple C^* -algebras, *Commun. Math. Phys.* **44** (1975) 175–190.
- [1179] D. OLESEN, On spectral subspaces and their applications to automorphism groups, in: Conv. su C^* -algebrel e Appl. Fis. Teor., to appear.
- [1180] D. OLESEN, A generalization of a theorem by Bochner, *Proc. Amer. Math. Soc.* **57** (1976) 115–118.
- [1181] D. OLESEN and G. K. PEDERSEN, Derivations of C^* -algebras have semi-continuous generators, *Pacific J. Math.* **53** (1974) 563–572.
- [1182] D. OLESEN and G. K. PEDERSEN, Groups of automorphisms with spectrum condition and the lifting problem, *Commun. Math. Phys.* **51** (1976) 85–95.
- [1183] C. L. OLSEN, Thin operators in a Von Neumann algebra, *Acta Sci. Math.* **35** (1974) 211–216; Correction: *Ibid.* **36** (1974) 377–378.
- [1184] C. L. OLSEN, A characterization of thin operators in a Von Neumann algebra, *Proc. Amer. Math. Soc.* **39** (1973) 571–578.
- [1185] M. P. OLSON, The self-adjoint operators of a Von Neumann algebra form a conditionally complete lattice, *Proc. Amer. Math. Soc.* **28** (1971) 537–544.
- [1186] T. ONO, Local theory of rings of operators, I, II, *J. Math. Soc. Japan* **10** (1958) 184–216, 438–458.

- [1187] T. ONO, Note on a B^* -algebra, *J. Math. Soc. Japan* **11** (1959) 146–158.
- [1188] T. ONO, Local theory in function analysis, *J. Math. Soc. Japan* **15** (1963) 9–30.
- [1189] T. ONO, Deformation of the set of projections, *Bull. Nagoya Inst. Technol.* **20** (1968) 131–135 (in Japanese).
- [1190] T. ONO, A real analogue of the Gelfand–Naimark theorem, *Proc. Amer. Math. Soc.* **25** (1970) 159–160.
- [1191] T. ONO, In a finite AW^* algebra, $x^*x \leq xx^*$ implies $x^*x = xx^*$, *Bull. Nagoya Inst. Technol.* **24** (1972) 61–66 (in Japanese).
- [1192] T. ONO, Hypernormalcy in finite AW^* -algebras, to appear.
- [1193] T. ONO, Trace on finite AW^* -algebra, to appear.
- [1194] M. ORIHARA, Sur les anneaux des opérateurs, I, *Proc. Imper. Acad. Tokyo* **20** (1944) 399–405.
- [1195] M. ORIHARA, Sur les anneaux des opérateurs, II, *Proc. Imper. Acad. Tokyo* **20** (1944) 545–553.
- [1196] M. ORIHARA, Rings of operators and their traces, *Mem. Fac. Sci. Kyushu Univ. (A)* **5** (1950) 107–138; Correction: *Ibid.* **8** (1953) 89–91.
- [1197] K. OSTERWALDER, Duality for free Bose fields, *Commun. Math. Phys.* **29** (1973) 1–14.
- [1198] V. I. OVČINNIKOV, Symmetric spaces of measurable operators, *Dokl. Akad. Nauk SSSR* **191** (1970) 769–771 (in Russian; English transl.: *Soviet Math.* **11** (1970) 448–452).
- [1199] V. I. OVČINNIKOV, s -numbers of measurable operators, *Funkcional. Anal. Prilož.* **4** (1970) 78–85 (in Russian).
- [1200] V. I. OVČINNIKOV, Compact operators relative to a Von Neumann algebra, *Funkcional. Anal. Prilož.* **6** (1972) 37–40 (in Russian).
- [1201] A. R. PADMANABHAN, Some dominated convergence theorems in a Von Neumann algebra, *Proc. Japan Acad.* **42** (1966) 347–350.
- [1202] A. R. PADMANABHAN, Stability and mixing in Von Neumann algebras, *Kodai Math. Sem. Rept.* **18** (1966) 335–342.
- [1203] A. R. PADMANABHAN, Convergence in measure and related results in finite rings of operators, *Trans. Amer. Math. Soc.* **128** (1967) 359–378, **132** (1967) 563.
- [1204] W. PAGE, Characterizations of B^* - and A^* -algebras, *Rev. Roumaine Math. Pures Appl.* **18** (1973) 1241–1244.
- [1205] PAK-KEN WONG, Continuous complementors on B^* -algebras, *Pacific J. Math.* **33** (1970) 255–260.
- [1206] PAK-KEN WONG, The Arens product and duality in B^* -algebras, II, *Proc. Amer. Math. Soc.* **27** (1971) 535–538.
- [1207] R. PALLU DE LA BARRIERE, Algèbres auto-adjointes faiblement fermées et algèbres hilbertiennes de classe finie, *C.R. Acad. Sci. Paris* **232** (1951) 1994–1995.
- [1208] R. PALLU DE LA BARRIERE, Décomposition des opérateurs non bornés dans les sommes continues d’espaces de Hilbert, *C.R. Acad. Sci. Paris* **232** (1951) 2071–2073.
- [1209] R. PALLU DE LA BARRIERE, Algèbres unitaires et espaces de Ambrose, *C.R. Acad. Sci. Paris* **233** (1951) 997–999.
- [1210] R. PALLU DE LA BARRIERE, Isomorphismes des $*$ -algèbres faiblement fermées d’opérateurs, *C.R. Acad. Sci. Paris* **232** (1951) 2071–2073.
- [1211] R. PALLU DE LA BARRIERE, Algèbres unitaires et espaces d’Ambrose, *Ann. Ecole Norm. Sup.* **70** (1953) 381–401.

- [1212] R. PALLU DE LA BARRIERE, Sur les algèbres d'opérateurs dans les espaces hilbertiens, *Bull. Soc. Math. France* **82** (1954) 1–517.
- [1213] T. W. PALMER, Characterizations of C^* -algebras, *Bull. Amer. Math. Soc.* **74** (1968) 538–540.
- [1214] T. W. PALMER, Characterizations of C^* -algebras, II, *Trans. Amer. Math. Soc.* **148** (1970) 577–588.
- [1215] T. W. PALMER, Real C^* -algebras, *Pacific J. Math.* **35** (1970) 195–204.
- [1216] T. W. PALMER, The Gelfand–Naimark pseudo-norm on Banach $*$ -algebras, *J. London Math. Soc.* **3** (1971) 59–66.
- [1217] T. W. PALMER, Arens multiplication and a characterization of W^* -algebras, *Proc. Amer. Math. Soc.* **44** (1974) 81–87.
- [1218] T. W. PALMER, Jordan $*$ -homomorphisms between reduced Banach $*$ -algebras, *Pacific J. Math.* **58** (1975) 169–178.
- [1219] W. L. PASCHKE, Inner product modules over B^* -algebras, *Trans. Amer. Math. Soc.* **182** (1973) 443–468.
- [1220] W. L. PASCHKE, The double B -dual of an inner product module over a C^* -algebra, *Can. J. Math.* **26** (1974) 1272–1280.
- [1221] A. L. T. PATERSON, Isometries between B^* -algebras, *Proc. Amer. Math. Soc.* **22** (1969) 570–572.
- [1222] A. L. T. PATERSON and A. M. SINCLAIR, Characterization of isometries between C^* -algebras, *J. London Math. Soc.* **5** (1972) 755–761.
- [1223] C. PEARCY, A complete set of unitary invariants for operators generating finite W^* -algebras of type I, *Pacific J. Math.* **12** (1962) 1405–1416.
- [1224] C. PEARCY, W^* -algebras with a single generator, *Proc. Amer. Math. Soc.* **13** (1962) 831–832.
- [1225] C. PEARCY, On unitary equivalence of matrices over the ring of continuous complex-valued functions on a Stonian spaces, *Can. J. Math.* **15** (1963) 323–331.
- [1226] C. PEARCY, On certain Von Neumann algebras which are generated by partial isometries, *Proc. Amer. Math. Soc.* **15** (1964) 393–395.
- [1227] C. PEARCY, Entire functions on infinite Von Neumann algebras of type I, *Michigan Math. J.* **11** (1964) 1–7.
- [1228] C. PEARCY, On commutators of operators on Hilbert space, *Proc. Amer. Math. Soc.* **16** (1965) 53–59.
- [1229] C. PEARCY and J. R. RINGROSE, Trace-preserving isomorphisms in finite operator algebras, *Amer. J. Math.* **90** (1968) 444–455.
- [1230] C. PEARCY and N. SALINAS, Finite-dimensional representations of separable C^* -algebras, *Bull. Amer. Math. Soc.* **80** (1974) 970–972.
- [1231] C. PEARCY and N. SALINAS, Finite-dimensional representations of C^* -algebras and the reducing matricial spectra of an operator, *Rev. Roumaine Math. Pures Appl.* **20** (1975) 567–598.
- [1232] C. PEARCY and N. SALINAS, The reducing essential spectra of an operator, *Duke Math. J.* **42** (1975) 423–434.
- [1233] C. PEARCY and D. M. TOPPING, Sums of small numbers of idempotents, *Michigan Math. J.* **14** (1967) 453–465.
- [1234] C. PEARCY and D. TOPPING, Commutators and certain II_1 -factors, *J. Functional Anal.* **3** (1969) 69–78.

- [1235] C. PEARCY and D. TOPPING, On commutators in ideals of compact operators, *Michigan Math. J.* **18** (1971) 247–252.
- [1236] E. A. PEDERSEN, A decomposition theory for rings of operators, Thesis, Louisiana State Univ., Baton Rouge, La. (1966).
- [1237] G. K. PEDERSEN, Measure theory for C^* -algebras, *Math. Scand.* **19** (1966) 131–145.
- [1238] G. K. PEDERSEN, Measure theory for C^* -algebras. II, *Math. Scand.* **22** (1968) 63–74.
- [1239] G. K. PEDERSEN, A decomposition theorem for C^* -algebras, *Math. Scand.* **22** (1968) 266–268.
- [1240] G. K. PEDERSEN, On weak and monotone σ -closures of C^* -algebras, *Commun. Math. Phys.* **11** (1969) 221–226.
- [1241] G. K. PEDERSEN, Measure theory for C^* -algebras, III, IV, *Math. Scand.* **25** (1969) 71–93, 121–127.
- [1242] G. K. PEDERSEN, The “up-down” problem for operator algebras, *Proc. Natl. Acad. Sci. U.S.A.* **68** (1971) 1896–1897.
- [1243] G. K. PEDERSEN, Atomic and diffuse functionals on a C^* -algebra, *Pacific J. Math.* **37** (1971) 795–800.
- [1244] G. K. PEDERSEN, C^* -integrals, Thesis, Univ. of Copenhagen, (1971).
- [1245] G. K. PEDERSEN, Monotone closures in operator algebras, *Amer. J. Math.* **94** (1972) 955–962.
- [1246] G. K. PEDERSEN, Operator algebras with weakly closed abelian subalgebras, *Bull. London Math. Soc.* **4** (1972) 171–175.
- [1247] G. K. PEDERSEN, Some operator monotone functions, *Proc. Amer. Math. Soc.* **36** (1972) 309–310.
- [1248] G. K. PEDERSEN, Applications of weak* semi-continuity in C^* -algebra theory, *Duke Math. J.* **39** (1972) 431–450.
- [1249] G. K. PEDERSEN, Borel structure in operator algebras, *Mat.-Fys. Medd. Danske Vid. Selsk.* **39** (5) (1974); abbreviated translation of: *Math.-Phys. Commun. Roy. Danish Acad. Sci. Letters*.
- [1250] G. K. PEDERSEN, A non-commutative version of Souslin’s theorem, *Bull. London Math. Soc.* **8** (1976) 87–90.
- [1251] G. K. PEDERSEN, The trace in semi-finite von Neumann algebras, *Math. Scand.* **37** (1975) 142–192.
- [1252] G. K. PEDERSEN, Lifting groups of automorphisms, to appear.
- [1253] G. K. PEDERSEN, Lifting derivations from quotients of separable C^* -algebras, to appear.
- [1254] G. K. PEDERSEN, Derivations of operator algebras, to appear.
- [1255] G. K. PEDERSEN, Similarities between UHF-algebras, to appear.
- [1256] G. K. PEDERSEN and N. H. PETERSEN, Ideals in a C^* -algebra, *Math. Scand.* **27** (1970) 193–204.
- [1257] G. K. PEDERSEN and E. STØRMER, Automorphisms and equivalence in Von Neumann algebras, II, *Indiana Univ. Math. J.* **23** (1973) 121–130.
- [1258] G. K. PEDERSEN and M. TAKESAKI, The Radon–Nikodym theorem for a Von Neumann algebra, *Acta Math.* **130** (1973) 53–87.
- [1259] J. PEETRE and G. SPARR, Interpolation and non-commutative integration, *Ann. di Mat.* **104** (1975) 187–207.
- [1260] C. PELIGRAD and L. ZSIDÓ, A Riesz decomposition theorem in W^* -algebras, *Acta Sci. Math. Szeged* **34** (1973) 317–322.

- [1261] F. PERDRIZET. Sur les sous-algèbres involutives abéliennes d'un facteur fini, *C.R. Acad. Sci. Paris* **268** (1969) 872–875.
- [1262] F. PERDRIZET. Espaces de Banach ordonnées et idéaux, *C.R. Acad. Sci. Paris* **269** (1969) 393–396.
- [1263] F. PERDRIZET, Éléments positifs relativement à une algèbre hilbertienne à gauche, *C.R. Acad. Sci. Paris* **270** (1970) 322–325.
- [1264] F. PERDRIZET. Traces et topologies dans les C*-algèbres, *C.R. Acad. Sci. Paris* **271** (1970) 427–430.
- [1265] F. PERDRIZET, Espaces de Banach ordonnés et idéaux, *J. Math. Pures Appl.* **49** (1970) 61–98.
- [1266] F. PERDRIZET, Éléments positifs relativement à une algèbre hilbertienne à gauche, *Compositio Math.* **23** (1971) 25–47.
- [1267] F. PERDRIZET, Topologie et traces sur les C*-algèbres, *Bull. Soc. Math. France* **99** (1971) 193–239.
- [1268] N. H. PETERSON, Invariant weights on semi-finite Von Neumann algebras, *Math. Scand.* **32** (1973) 133–144.
- [1269] J. PHILLIPS, Positive integrable elements relative to a left Hilbert algebra, *J. Functional Anal.* **43** (1973) 390–409.
- [1270] J. PHILLIPS, Perturbations of type I Von Neumann algebras, *Pacific J. Math.* **52** (1974) 505–511.
- [1271] J. PHILLIPS, Complementation for right ideals in generalized Hilbert algebras, *Trans. Amer. Math. Soc.* **197** (1974) 409–417.
- [1272] J. PHILLIPS, Perturbations of C*-algebras, *Indiana Univ. Math. J.* **23** (1974) 1167–1176.
- [1273] J. PHILLIPS, A note on square-integrable representations, *J. Functional Anal.* **20** (1975) 83–92.
- [1274] J. PHILLIPS, Automorphisms of full II_1 factors, with applications to factors of type III, *Duke Math. J.* **43** (1976) 375–386.
- [1275] R. J. PLYMMEN, A modification of Piron's axioms, *Helv. Phys. Acta* **41** (1968) 69–74.
- [1276] R. J. PLYMMEN, C*-algebras and Mackey's axioms, *Commun. Math. Phys.* **8** (1968) 132–146.
- [1277] P. PORCELLI and E. A. PEDERSEN, On rings of operators, *Bull. Amer. Math. Soc.* **73** (1967) 142–144.
- [1278] H. PORTA, A note on homomorphisms of operator algebras, *Colloq. Math.* **20** (1969) 117–119.
- [1279] H. PORTA, Ideals and universal representations of certain C*-algebras, *Rev. Un. Mat. Argentina* **25** (1970) 27–36.
- [1280] H. PORTA and J. T. SCHWARTZ, Representations of the algebra of all operators in Hilbert space, and related analytic function algebras, *Commun. Pure Appl. Math.* **20** (1967) 457–492.
- [1281] R. T. POWERS, Representations of uniformly hyperfinite algebras and their associated Von Neumann rings, *Bull. Amer. Math. Soc.* **73** (1967) 572–575.
- [1282] R. T. POWERS, Representations of uniformly hyperfinite algebras and their associated Von Neumann rings, *Ann. Math.* **86** (1967) 138–171.
- [1283] R. T. POWERS, UHF algebras and their applications to representations of the anticommutation relations, in: *Cargèse Lectures in Phys.* **4** (1970) 137–168.
- [1284] R. T. POWERS, Fermi field algebra, in: *Cargèse Lectures in Phys.* **4** (1970) 363–367.

- [1285] R. T. POWERS, Self-adjoint algebras of unbounded operators, *Commun. Math. Phys.* **21** (1971) 85–124.
- [1286] R. T. POWERS, Simplicity of the C^* -algebra associated with the free group on two generators, *Duke Math. J.* **42** (1975) 151–156.
- [1287] R. T. POWERS, A remark on the domain of an unbounded derivation of a C^* -algebra, *J. Functional Anal.* **18** (1975) 85–95.
- [1288] R. T. POWERS, Representations of the canonical anticommutation relations, to appear.
- [1289] R. T. POWERS and S. SAKAI, Existence of ground states and KMS states for approximately inner dynamics, *Commun. Math. Phys.* **39** (1975) 273–288.
- [1290] R. T. POWERS and S. SAKAI, Unbounded derivations in operator algebras, *J. Functional Anal.* **19** (1975) 81–95.
- [1291] R. T. POWERS and E. STØRMER, Free states of the canonical anticommutation relations, *Commun. Math. Phys.* **16** (1970) 1–33.
- [1292] E. PRESUTTI and E. SCACCIATELLI, Local bounded perturbations of KMS states, *J. Math. Phys.* **15** (1974) 1620–1625.
- [1293] E. PRESUTTI, E. SCACCIATELLI, G. L. SEWELL and F. VANDERLINGH, Studies in the C^* -algebraic theory of non equilibrium statistical mechanics: Dynamics of open and of mechanically driven systems, *J. Math. Phys.* **13** (1972) 1085–1098.
- [1294] D. PROMISLOW, The Kakutani theorem for tensor product of W^* -algebras, *Pacific J. Math.* **36** (1971) 507–514.
- [1295] D. PROMISLOW, Semi-metrics on the normal states of a W^* -algebra, *Can. J. Math.* **25** (1973) 1238–1253.
- [1296] R. T. PROSSER, On the ideal structure of operator algebras, *Mem. Amer. Math. Soc.* **45** (1963).
- [1297] V. PTAK, Banach algebras with involution, *Manuscripta Math.* **6** (1972) 245–290.
- [1298] V. PTAK, A theorem of the closed graph type, *Manuscripta Math.* **13** (1974) 109–130.
- [1299] V. PTAK, Banach algebras with involution, in: *Proc. 3^d Prague Topological Symp.* (1971) 363–369.
- [1300] L. PUKANSZKY, On a theorem of Mautner, *Acta. Sci. Math. Szeged* **15** (1954) 145–148.
- [1301] L. PUKANSZKY, The theorem of Radon–Nikodym in operator rings, *Acta. Sci. Math. Szeged* **15** (1954) 149–156.
- [1302] L. PUKANSZKY, On the theory of quasi-unitary algebras, *Acta Sci. Math. Szeged* **16** (1955) 103–121.
- [1303] L. PUKANSZKY, Some examples of factors, *Publ. Math.* **4** (1956) 135–156.
- [1304] L. PUKANSZKY, On maximal abelian subrings of factors of type II₁, *Can. J. Math.* **12** (1960) 289–296.
- [1305] L. PUKANSZKY, On maximal abelian subrings in factors, R.I.A.S. Techn. Rept. 60-11 (1960) 25 pp.
- [1306] M. PULVIRENTI and B. TIROZZI, Time evolution of a quantum lattice system, *Commun. Math. Phys.* **30** (1973) 83–98.
- [1307] C. RADIN, Automorphisms of Von Neumann algebras as point transformations, *Proc. Amer. Math. Soc.* **39** (1973) 343–346.
- [1308] H. RADJAVI, Nonselfadjoint representations of C^* -algebras, *Proc. Amer. Math. Soc.* **47** (1975) 133–136.

- [1309] D. RAĬKOV, On some kinds of convergence of functions of positive type, *Dokl. Akad. Nauk SSSR* **58** (1947) 1279–1282 (in Russian).
- [1310] D. RAINJONNEAU, Existence des sommes dans certaines catégories d’algèbres, *C.R. Acad. Sci. Paris* **262** (1966) 283–285.
- [1311] M. C. REED, Torus invariance for the Clifford algebra. I, *Trans. Amer. Math. Soc.* **154** (1971) 177–183.
- [1312] M. C. REED, Torus invariance for the Clifford algebra. II, *J. Functional Anal.* **8** (1971) 450–468.
- [1313] H. REEH and S. SCHLIEDER, Bemerkungen zur Unitarequivalenz von Lorentz-invarianten Feldern, *Nuovo Cimento* **22** (1961) 1051–1068.
- [1314] G. A. REID, A generalisation of W^* -algebras, *Pacific J. Math.* **15** (1965) 1019–1026.
- [1315] G. A. REID, Epimorphisms and surjectivity, *Invent. Math.* **9** (1970) 295–307.
- [1316] G. A. REID, On a question of Dixmier, *J. London Math. Soc.* **3** (1971) 544–548.
- [1317] G. A. REID, On the Calkin representations, *Proc. London Math. Soc.* **23** (1971) 547–564.
- [1318] B. B. RENSHAW, On the tensor product of W^* -algebras, *Trans. Amer. Math. Soc.* **94** (1974) 337–347.
- [1319] C. RICKART, Banach algebras with an adjoint operation, *Ann. Math.* **47** (1946) 528–550.
- [1320] C. RICKART, The uniqueness of norm problem in Banach algebras, *Ann. Math.* **51** (1950) 615–628.
- [1321] C. RICKART, Representation of certain Banach algebras on Hilbert space, *Duke Math. J.* **18** (1951) 27–39.
- [1322] C. RICKART, Spectral permanence for certain Banach algebras, *Proc. Amer. Math. Soc.* **4** (1953) 191–196.
- [1323] C. RICKART, *General Theory of Banach Algebras* (Van Nostrand, New York, 1960).
- [1324] G. RIDEAU, On some representations of the anticommutation relations, *Commun. Math. Phys.* **9** (1968) 229–241.
- [1325] M. A. RIEFFEL, Square integrable representations of Hilbert algebras, *J. Functional Anal.* **3** (1969) 265–300.
- [1326] M. A. RIEFFEL, Induced representations of C^* -algebras, *Bull. Amer. Math. Soc.* **78** (1972) 605–609.
- [1327] M. A. RIEFFEL, Morita equivalence for C^* -algebras and W^* -algebras, *J. Pure Appl. Algebra* **5** (1974) 51–96.
- [1328] M. A. RIEFFEL, Induced representations of C^* -algebras, *Advan. Math.* **13** (1974) 176–257.
- [1329] M. A. RIEFFEL, A commutation theorem and duality for free Bose fields, *Commun. Math. Phys.* **39** (1974) 153–164.
- [1330] M. A. RIEFFEL, Unitary representations of group extensions; an algebraic approach to the theory of Mackey and Blattner, to appear.
- [1331] M. A. RIEFFEL and A. VAN DAELE, The commutation theorem for tensor products of Von Neumann algebras, *Bull. London Math. Soc.* **7** (1975) 257–260.
- [1332] M. A. RIEFFEL and A. VAN DAELE, A bounded operator approach to Tomita-Takesaki theory, to appear.
- [1333] J. R. RINGROSE, On some algebras of operators, *Proc. London Math. Soc.* **15** (1965) 61–83.

- [1334] J. R. RINGROSE, On subalgebras of a C*-algebra, *Pacific J. Math.* **15** (1965) 1377–1382.
- [1335] J. R. RINGROSE, Lectures on the trace in a finite Von Neumann algebra, in: *Lecture Notes in Math.* **247** (Springer, Berlin, 1972) 309–354.
- [1336] J. R. RINGROSE, Cohomology of operator algebras, in: *Lecture Notes in Math.* **247** (Springer, Berlin, 1972) 355–434.
- [1337] J. R. RINGROSE, Automatic continuity of derivations of operator algebras, *J. London Math. Soc.* **5** (1972) 432–438.
- [1338] J. R. RINGROSE, Linear functionals on operator algebras and their abelian subalgebras, *J. London Math. Soc.* **7** (1974) 553–560.
- [1339] J. R. RINGROSE, Operator algebras and their abelian subalgebras, *Intern. Congr. Vancouver* (1974).
- [1340] J. R. RINGROSE, Linear mappings between operator algebras, to appear.
- [1341] J. E. ROBERTS, Some applications of dilatation invariance to structural question in the theory of local observables, *Commun. Math. Phys.* **37** (1974) 273–286.
- [1342] J. E. ROBERTS and G. ROEPSTROFF, *Some Basic Concepts of Algebraic Quantum Theory* (Desy, Hamburg, 1968).
- [1343] A. G. ROBERTSON, A note on the unit ball in C*-algebras, *Bull. London Math. Soc.* **6** (1974) 333–335.
- [1344] A. G. ROBERTSON, Standard states of C*-algebras, *J. London Math. Soc.* **11** (1975) 423–433.
- [1345] D. W. ROBINSON, Statistical mechanics of quantum spin systems, I, *Commun. Math. Phys.* **6** (1967) 151–160.
- [1346] D. W. ROBINSON, Statistical mechanics of quantum spin systems, II, *Commun. Math. Phys.* **7** (1968) 337–348.
- [1347] D. W. ROBINSON, Normal and locally normal states, *Commun. Math. Phys.* **19** (1970) 219–234.
- [1348] D. W. ROBINSON, Return to equilibrium, *Commun. Math. Phys.* **31** (1973) 171–189.
- [1349] D. W. ROBINSON and D. RUELLE, Mean entropy of states in classical statistical mechanics, *Commun. Math. Phys.* **5** (1967) 288–300.
- [1350] D. W. ROBINSON and D. RUELLE, Extremal invariant states, *Ann. Inst. H. Poincaré* **6** (1967) 299–310.
- [1351] F. ROCCA, M. SIRUGUE and D. TESTARD, Les états quasi-libres comme états d'équilibre sous les conditions de Kubo–Martin–Schwinger, *C.R. Acad. Sci. Paris* **267** (1968) 672–673.
- [1352] F. ROCCA, M. SIRUGUE and D. TESTARD, Etats quasi-libres invariants de translation et transformations de Bogoliubov, *C.R. Acad. Sci. Paris* **267** (1968) 722–723.
- [1353] F. ROCCA, M. SIRUGUE and D. TESTARD, On a class of equilibrium states under the Kubo–Martin–Schwinger boundary condition, I: Fermions, *Commun. Math. Phys.* **13** (1969) 317–334.
- [1354] F. ROCCA, M. SIRUGUE and D. TESTARD, Translation invariant quasi-free states and Bogoliubov transformations, *Ann. Inst. H. Poincaré* (A) **10** (1969) 247–258.
- [1355] V. ROHLIN, Unitary rings, *Dokl. Akad. Nauk SSSR* **59** (1948) 643–646 (in Russian).
- [1356] J. E. ROOS, Sur l'anneau maximal de fractions des AW*-algèbres et des anneaux de Baer, *C.R. Acad. Sci. Paris* **266** (1968) 120–123.

- [1357] N. ROOS, Independence of local algebras in quantum field theory, *Commun. Math. Phys.* **16** (1970) 238–246.
- [1358] A. ROSENBERG, The number of irreducible representations of simple rings with no minimal ideals, *Amer. J. Math.* **75** (1953) 523–530.
- [1359] P. ROSENTHAL, Weakly closed maximal triangular algebras are hyperreducible, *Proc. Amer. Math. Soc.* **24** (1970) 220.
- [1360] R. ROUSSEAU, A. VAN DAELE and L. VANHEESWIJCK, A note on the commutation theorem for tensor products of Von Neumann algebras, to appear.
- [1361] D. RUELLE, States of physical systems, *Commun. Math. Phys.* **3** (1966) 133–150.
- [1362] D. RUELLE, A variational formulation of equilibrium statistical mechanics and the Gibbs phase rule, *Commun. Math. Phys.* **5** (1967) 324–329.
- [1363] D. RUELLE, Some remarks on the ground state of infinite systems in statistical mechanics, *Commun. Math. Phys.* **11** (1969) 339–345.
- [1364] D. RUELLE, *Statistical Mechanics* (Benjamin, New York, 1969).
- [1365] D. RUELLE, Integral representation of states on a C*-algebra, *J. Functional Anal.* **6** (1970) 116–151.
- [1366] D. RUELLE, Symmetry breakdown in statistical mechanics, to appear.
- [1367] M. B. RUSKAI, Inequalities for traces in Von Neumann algebras, *Commun. Math. Phys.* **26** (1972) 280–289.
- [1368] B. RUSSO, Linear mappings of operator algebras, *Proc. Amer. Math. Soc.* **17** (1966) 1019–1022.
- [1369] B. RUSSO, Unimodular contractions in Hilbert space, *Pacific J. Math.* **26** (1968) 163–169.
- [1370] B. RUSSO, Isometries of L^p -spaces associated with finite Von Neumann algebras, *Bull. Amer. Math. Soc.* **74** (1968) 228–232.
- [1371] B. RUSSO, Isometries of the trace class, *Proc. Amer. Math. Soc.* **23** (1969) 213.
- [1372] B. RUSSO, Trace preserving mappings of matrix algebras, *Duke Math. J.* **36** (1969) 297–300.
- [1373] B. RUSSO and H. A. DYE, A note on unitary operators in C*-algebras, *Duke Math. J.* **33** (1966) 413–416.
- [1374] K. SAITO, Non-commutative extension of Lusin's theorem, *Tôhoku Math. J.* **19** (1967) 332–340.
- [1375] K. SAITO, On the algebra of measurable operators for a general AW*-algebra, *Tôhoku Math. J.* **21** (1969) 249–270.
- [1376] K. SAITO, A non commutative integration theory for a semi-finite AW*-algebra and a problem of Feldmann, *Proc. Japan Acad.* **46** (1970) 463–467.
- [1377] K. SAITO, A non-commutative theory of integration for a semi-finite AW*-algebra and a problem of Feldman, *Tôhoku Math. J.* **22** (1970) 420–461.
- [1378] K. SAITO, On the preduals of W*-algebras, *Tôhoku Math. J.* **19** (1967) 324–331.
- [1379] K. SAITO, On the algebra of measurable operators for a general AW*-algebra, II, *Tôhoku Math. J.* **23** (1971) 525–534.
- [1380] K. SAITO, On the embedding as a double commutator in type I AW*-algebra, *Tôhoku Math. J.* **23** (1971) 541–557.
- [1381] K. SAITO, On the embedding as a double commutator in a type I AW*-algebra, II, *Tôhoku Math. J.* **26** (1974) 333–340.
- [1382] K. SAITO, Automorphism groups of Von Neumann algebras and ergodic type theorems, *Acta Sci. Math. Szeged* **36** (1974) 119–130.

- [1383] K. SAITO, On the algebra of measurable operators for a general AW*-algebra, III, to appear.
- [1384] K. SAITO, Groups of *-automorphisms and invariant maps of Von Neumann algebras, *Pacific J. Math.* **57** (1975) 553–558.
- [1385] T. SAITO, On incomplete infinite direct product of W*-algebras, *Tôhoku Math. J.* **10** (1958) 165–171.
- [1386] T. SAITO, The direct and crossed product of rings of operators, *Tôhoku Math. J.* **11** (1959) 299–304.
- [1387] T. SAITO, Some remarks on a representation of a group, *Tôhoku Math. J.* **12** (1960) 383–388.
- [1388] T. SAITO, On representation of a countably infinite group, *Tôhoku Math. J.* **13** (1961) 268–273.
- [1389] T. SAITO, On groups of automorphisms of finite factors, *Tôhoku Math. J.* **13** (1961) 427–433.
- [1390] T. SAITO, Some remarks on a representation of a group, II, *Tôhoku Math. J.* **17** (1965) 206–209.
- [1391] T. SAITO, On generators of Von Neumann algebras, *Michigan Math. J.* **15** (1968) 373–376.
- [1392] T. SAITO, Generators of certain Von Neumann algebras, *Tôhoku Math. J.* **20** (1968) 101–105.
- [1393] T. SAITO, Generators of Von Neumann algebras, in: Lecture Notes in Math. **247** (Springer, Berlin, 1972) 435–531.
- [1394] T. SAITO, Hyponormal operators and related topics, in: Lecture Notes in Math. **247** (Springer, Berlin, 1972) 533–664.
- [1395] T. SAITO and J. TOMIYAMA, Some results on the product of W*-algebras, *Tôhoku Math. J.* **12** (1960) 455–458.
- [1396] S. SAKAI, On the group isomorphism of unitary groups in AW*-algebras, *Tôhoku Math. J.* **7** (1955) 87–95.
- [1397] S. SAKAI, The absolute value of W*-algebras of finite type, *Tôhoku Math. J.* **8** (1956) 70–85.
- [1398] S. SAKAI, On the σ -weak topology of W*-algebras, *Proc. Japan Acad.* **32** (1956) 329–332.
- [1399] S. SAKAI, A characterization of W*-algebras, *Pacific J. Math.* **6** (1956) 763–773.
- [1400] S. SAKAI, On topological properties of W*-algebras, *Proc. Japan Acad.* **33** (1957) 439–444.
- [1401] S. SAKAI, On linear functionals of W*-algebras, *Proc. Japan Acad.* **34** (1958) 571–574.
- [1402] S. SAKAI, On some problems of C*-algebras, *Tôhoku Math. J.* **11** (1959) 453–455.
- [1403] S. SAKAI, On a conjecture of Kaplansky, *Tôhoku Math. J.* **12** (1960) 31–33.
- [1404] S. SAKAI, The theory of W*-algebras, Mimeographed Notes, Yale Univ., New Haven, Conn. (1962).
- [1405] S. SAKAI, Weakly compact operators on operator algebras, *Pacific J. Math.* **14** (1964) 659–664.
- [1406] S. SAKAI, On the reduction theory of Von Neumann, *Bull. Amer. Math. Soc.* **70** (1964) 393–398.
- [1407] S. SAKAI, A Radon–Nikodym theorem in W*-algebras, *Bull. Amer. Math. Soc.* **71** (1965) 149–151.

- [1408] S. SAKAI, On topologies of finite W^* -algebras, *Illinois J. Math.* **9** (1965) 236–241.
- [1409] S. SAKAI, On the central decomposition for positive functionals on C^* -algebras, *Trans. Amer. Math. Soc.* **118** (1965) 406–419.
- [1410] S. SAKAI, Derivations of W^* -algebras, *Ann. Math.* **83** (1966) 273–279.
- [1411] S. SAKAI, On a problem of Calkin, *Amer. J. Math.* **88** (1966) 935–941.
- [1412] S. SAKAI, On a characterization of type I C^* -algebras, *Bull. Amer. Math. Soc.* **72** (1966) 508–512.
- [1413] S. SAKAI, On pure states of C^* -algebras, *Proc. Amer. Math. Soc.* **17** (1966) 86–87.
- [1414] S. SAKAI, On the preduals of W^* -algebras, *Tôhoku Math. J.* **19** (1967) 324–331.
- [1415] S. SAKAI, On type I C^* -algebras, *Proc. Amer. Math. Soc.* **18** (1967) 861–863.
- [1416] S. SAKAI, Derivations of uniformly hyperfinite C^* -algebras, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **3** (1967) 167–175.
- [1417] S. SAKAI, Derivations of simple C^* -algebras, *J. Functional Anal.* **2** (1968) 202–206.
- [1418] S. SAKAI, On the tensor product of W^* -algebras, *Amer. J. Math.* **90** (1968) 335–341.
- [1419] S. SAKAI, On the hyperfinite II_1 -factor, *Proc. Amer. Math. Soc.* **19** (1968) 589–591.
- [1420] S. SAKAI, Asymptotically abelian II_1 -factors, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **4** (1968) 299–307.
- [1421] S. SAKAI, On global W^* -algebras, *J. Functional Anal.* **3** (1969) 79–84.
- [1422] S. SAKAI, An uncountable number of II_1 , II_∞ factors, *J. Functional Anal.* **5** (1970) 236–246.
- [1423] S. SAKAI, An uncountable family of non-hyperfinite type III factors, in: *Functional Analysis* (Academic Press, New York, 1970) 65–70.
- [1424] S. SAKAI, On the Stone–Weierstrass theorem of C^* -algebras, *Tôhoku Math. J.* **22** (1970) 191–199.
- [1425] S. SAKAI, On global type II_1 , W^* -algebras, in: *Hilbert Space Operators*, Colloq. Math. Soc. János Bolyai, Vol. 5, (North-Holland, Amsterdam, 1970) 493–497.
- [1426] S. SAKAI, *C^* -algebras and W^* -algebras*, Ergeb. Math. Grenzgeb. Vol. **60** (Springer, Berlin, 1971).
- [1427] S. SAKAI, On global type II_1 , W^* -algebras, *J. Functional Anal.* **8** (1971) 95–100.
- [1428] S. SAKAI, Derivations of simple C^* -algebras, II, *Bull. Soc. Math. France* **99** (1971) 259–263.
- [1429] S. SAKAI, Derivations of simple C^* -algebras, III, *Tôhoku Math. J.* **23** (1971) 559–564.
- [1430] S. SAKAI, Derived C^* -algebras of primitive C^* -algebras, *Tôhoku Math. J.* **25** (1973) 307–316.
- [1431] S. SAKAI, On automorphism groups of II_1 -factors, *Tôhoku Math. J.* **26** (1974) 423–430.
- [1432] S. SAKAI, On commutative normal *-derivations, *Commun. Math. Phys.* **43** (1975) 39–40.
- [1433] S. SAKAI, Derivations of simple C^* -algebras, IV, to appear.
- [1434] S. SAKAI, Automorphisms and tensor products of operator algebras, *Amer. J. Math.* **97** (1975) 889–896.
- [1435] S. SAKAI, On one-parameter subgroups of *-automorphisms on operator algebras and the corresponding unbounded derivations, *Amer. J. Math.* **98** (1976) 427–440.
- [1436] N. SALINAS, Extensions of C^* -algebras and essentially n -normal operators, *Bull. Amer. Math. Soc.* **82** (1976) 143–146.
- [1437] M. SAMUELIDES and J. L. SAUVAGEOT, Algèbre de Krieger d'un système dynamique, *C.R. Acad. Sci. Paris* **280** (1975) 709–712.

- [1438] S. SANKARAN, The *-algebra of unbounded operators, *J. London Math. Soc.* **34** (1959) 337–344.
- [1439] S. SANKARAN, Ordered decompositions of Hilbert spaces, *J. London Math. Soc.* **36** (1961) 97–107.
- [1440] S. SANKARAN, Decomposition of Von Neumann algebras of type I, *Math. Ann.* **142** (1961) 399–406.
- [1441] S. SANKARAN and S. A. SELESNICK, Some remarks on C*-algebras and duality, *Semigroup Forum* **3** (1971) 108–129.
- [1442] U. SASAKI, Lattices of projections in AW*-algebras, *J. Sci. Hiroshima Univ.* **19** (1955) 1–30.
- [1443] J. L. SAUVAGEOT, Sur le type du produit croisé d'une algèbre de Von Neumann par un groupe localement compact d'automorphismes, *C.R. Acad. Sci. Paris* **278** (1974) 941–944.
- [1444] D. G. SCHAEFFER, An application of Von Neumann algebras to finite difference equations, *Ann. Math.* **95** (1972) 117–129.
- [1445] R. SCHATTEN, *Norm Ideals of Completely Continuous Operators*, Ergebn. Math. Grenzgeb. (Springer, Berlin, 1960).
- [1446] J. M. SCHWARTZ, Sur la structure des algèbres de Kac, to appear.
- [1447] J. T. SCHWARTZ, Two finite, non-hyperfinite, non-isomorphic factors, *Commun. Pure Appl. Math.* **16** (1963) 19–26.
- [1448] J. T. SCHWARTZ, Non-isomorphism of a pair of factors of type III, *Commun. Pure Appl. Math.* **16** (1963) 111–120.
- [1449] J. T. SCHWARTZ, Type II factors in a central decomposition, *Commun. Pure Appl. Math.* **16** (1963) 247–252.
- [1450] J. T. SCHWARTZ, *W*-algebras* (Gordon and Breach, New York, 1967).
- [1451] J. T. SCHWARTZ, Recent progress in the structure theory of factors, in: *Functional Analysis* (Academic Press, New York, 1970) 37–54.
- [1452] Z. SEBESTYEN, A weakening of the definition of C*-algebras, *Acta Sci. Math. Szeged* **35** (1973) 17–20.
- [1453] Z. SEBESTYEN, On the definition of C*-algebras, *Publ. Math.* **21** (1974) 207–217.
- [1454] I. E. SEGAL, The group algebra of a locally compact group, *Trans. Amer. Math. Soc.* **61** (1947) 69–105.
- [1455] I. E. SEGAL, Irreducible representations of operator algebras, *Bull. Amer. Math. Soc.* **53** (1947) 73–88.
- [1456] I. E. SEGAL, Two-sided ideals in operator algebras, *Ann. Math.* **50** (1949) 856–865.
- [1457] I. E. SEGAL, The two-sided regular representation of a unimodular locally compact group, *Ann. Math.* **51** (1950) 293–298.
- [1458] I. E. SEGAL, An extension of Plancherel's formula to separable unimodular groups, *Ann. Math.* **52** (1950) 272–292.
- [1459] I. E. SEGAL, Decomposition of operator algebras, I, II, *Mem. Amer. Math. Soc.* **9** (1951) 1–67, 1–66.
- [1460] I. E. SEGAL, A class of operator algebras which are determined by groups, *Duke Math. J.* **18** (1951) 221–265.
- [1461] I. E. SEGAL, A non-commutative extension of abstract integration, *Ann. Math.* **57** (1953) 401–457; correction: *Ibid.* **57** (1953) 595–596.
- [1462] I. E. SEGAL, Abstract probability spaces and a theorem of Kolmogoroff, *Amer. J. Math.* **76** (1954) 721–732.

- [1463] I. E. SEGAL. Tensor algebras over Hilbert spaces. *Trans. Amer. Math. Soc.* **81** (1956) 106–134.
- [1464] I. E. SEGAL. Tensor algebras over Hilbert spaces, II. *Ann. Math.* **63** (1956) 160–175.
- [1465] I. E. SEGAL. Distributions in Hilbert space and canonical systems of operators. *Trans. Amer. Math. Soc.* **88** (1958) 12–41.
- [1466] I. E. SEGAL. Foundations of the theory of dynamical systems of infinitely many degrees of freedom, I. *Math. Fys. Medd. Danske Vid. Selsk.* **31** (1959) 1–38.
- [1467] I. E. SEGAL. A note on the concept of entropy. *J. Math. Mech.* **9** (1960) 623–630.
- [1468] I. E. SEGAL. Foundations of the theory of dynamical systems of infinitely many degrees of freedom, II. *Can. J. Math.* **13** (1961) 1–18.
- [1469] I. E. SEGAL. Mathematical characterization of the physical vacuum for a linear Bose-Einstein field. *Illinois J. Math.* **6** (1962) 500–523.
- [1470] I. E. SEGAL. Algebraic integration theory. *Bull. Amer. Math. Soc.* **71** (1965) 419–489.
- [1471] I. E. SEGAL. Notes toward the construction of nonlinear relativistic quantum fields. I. The Hamiltonian in two space-time dimensions as the generator of a C*-automorphism group, *Proc. Natl. Acad. Sci. U.S.A.* **57** (1967) 1178–1183; II. The basic nonlinear functions in general space-times, *Bull. Amer. Math. Soc.* **75** (1969) 1383–1389; III. Properties of the C*-dynamics for a certain class of interactions, *Bull. Amer. Math. Soc.* **75** (1969) 1391–1395.
- [1472] I. E. SEGAL. Non-linear quantum processes and automorphism groups of C*-algebras, in: *Actes Congr. Intern. Math., Nice, 1970*, Vol. 2, pp. 419–426.
- [1473] I. E. SEGAL and J. VON NEUMANN. A theorem on unitary representations of semi-simple Lie groups. *Ann. Math.* **52** (1950) 509–517.
- [1474] G. L. SEWELL. States and dynamics of infinitely extended physical systems. *Commun. Math. Phys.* **33** (1973) 43–51.
- [1475] D. SHALE and W. F. STINESPRING. States of the Clifford algebra. *Ann. Math.* **80** (1964) 365–381.
- [1476] S. SHERMAN. The second adjoint of a C*-algebra, in: *Proc. Intern. Congr. Math. Cambridge, 1950*, Vol. 1, pp. 470.
- [1477] S. SHERMAN. Order in operator algebras. *Amer. J. Math.* **73** (1951) 227–232.
- [1478] A. N. SHERSTNEV. States on Von Neumann algebras, *Funkcional. Anal. Prilož.* **8** (3) (1974) 89–90 (in Russian).
- [1479] P. C. SHIELDS. A new topology for Von Neumann algebras, *Bull. Amer. Math. Soc.* **65** (1959) 267–269.
- [1480] V. S. SHUL'MAN. Multiplication operators in C*-algebras and the problem of reflexivity of algebras which contain a m.a.s.a.. *Funkcional. Anal. Prilož.* **8** (1974) 92–93 (in Russian).
- [1481] A. M. SINCLAIR. Jordan homomorphisms and derivations of semi-simple Banach algebras. *Proc. Amer. Math. Soc.* **24** (1970) 209–214.
- [1482] A. M. SINCLAIR. Annihilator ideals in the cohomology of Banach algebras. *Proc. Amer. Math. Soc.* **33** (1972) 361–366.
- [1483] A. M. SINCLAIR. Homomorphisms from C*-algebras. *Proc. London Math. Soc.* **29** (1974) 435–452 and **32** (1976) 322.
- [1484] I. M. SINGER. Uniformly continuous representations of Lie groups. *Ann. Math.* **56** (1952) 242–247.

- [1485] I. M. SINGER. Automorphisms of finite factors. *Amer. J. Math.* **57** (1955) 117–133.
- [1486] M. SIRUGUE. Les états quasi-libres de l'algèbre de Clifford comme solution des conditions de K.M.S., in: Cargèse Lectures in Phys. **4** (1970) 335–348.
- [1487] M. SIRUGUE and D. TESTARD. Some connections between ground states and temperature states of thermodynamical systems. *Commun. Math. Phys.* **22** (1971) 223–237.
- [1488] M. SIRUGUE and W. WINNINK. Constraints imposed upon a state of a system that satisfies the KMS boundary condition. *Commun. Math. Phys.* **19** (1970) 161–168.
- [1489] M. SIRUGUE and M. WINNINK. Une généralisation du théorème d'unicité de l'automorphisme modulaire d'une algèbre de Von Neumann de genre dénombrable, *C.R. Acad. Sci. Paris* **272** (1971) 1185–1187.
- [1490] M. SIRUGUE and M. WINNINK, Translations dans le temps comme groupe d'*-automorphisms. to appear.
- [1491] C. F. SKAU. Commutative projection and abelian subalgebras. Dissertation. Univ. of Pennsylvania. Philadelphia. Pa., (1973).
- [1492] J. SLAWNÝ. Representations of canonical anticommutation relations and implementability of canonical transformations, *Commun. Math. Phys.* **22** (1971) 104–114.
- [1493] J. SLAWNÝ. On factor representations and C*-algebra of canonical commutation relations. *Commun. Math. Phys.* **24** (1972) 151–170.
- [1494] M. S. B. SMITH. On automorphism groups of C*-algebras. *Trans. Amer. Math. Soc.* **152** (1970) 623–648.
- [1495] M. R. F. SMYTH. Riesz theory in Banach algebras. *Math. Z.* **145** (1975) 145–155.
- [1496] M. G. SONIS. On a class of operators in Von Neumann algebras with Segal measure on the projectors, *Mat. Sb.* **84** (1971) 353–368 (in Russian).
- [1497] J. SØRENSEN. Pure states of simple C*-algebras. *J. Functional. Anal.* **22** (1976) 390–404.
- [1498] P. G. SPAIN. On commutative V*-algebras. *Proc. Edinburgh Math. Soc.* **17** (1970) 173–180.
- [1499] P. G. SPAIN. V*-algebras with weakly compact unit spheres, *J. London Math. Soc.* **4** (1971) 62–64.
- [1500] P. G. SPAIN. The W*-closure of a V*-algebra, *J. London Math. Soc.* **7** (1974) 385–386.
- [1501] J. G. STAMPFLI. The norm of a derivation. *Pacific J. Math.* **33** (1970) 737–747.
- [1502] J. G. STAMPFLI. Derivations on $\mathcal{B}(\mathcal{H})$: the range. *Illinois J. Math.* **17** (1973) 518–524.
- [1503] J. R. STEFANSSON. On a problem of J. Dixmier concerning ideals in a Von Neumann algebra, *Math. Scand.* **24** (1969) 111–112.
- [1504] J. D. STEIN. Continuity of homomorphisms of Von Neumann algebras. *Amer. J. Math.* **91** (1969) 153–159.
- [1505] J. D. STEIN. Homomorphisms of B*-algebras, *Pacific J. Math.* **28** (1969) 431–439.
- [1506] W. F. STINESPRING. Positive functions on C*-algebras. *Proc. Amer. Math. Soc.* **6** (1955) 211–216.
- [1507] W. F. STINESPRING. A semi-simple matrix group is of type I, *Proc. Amer. Math. Soc.* **9** (1958) 965–967.
- [1508] W. F. STINESPRING. Integration theorems for gages and duality for unimodular groups, *Trans. Amer. Math. Soc.* **90** (1959) 15–56.
- [1509] W. F. STINESPRING. Integrability of Fourier transforms of unimodular Lie groups. *Duke Math. J.* **26** (1959) 123–131.

- [1510] E. STØRMER, Positive linear maps of operator algebras, *Acta Math.* **110** (1963) 233–278.
- [1511] E. STØRMER, On the Jordan structure of C*-algebras, *Trans. Amer. Math. Soc.* **120** (1965) 438–447.
- [1512] E. STØRMER, Jordan algebras of type I, *Acta Math.* **115** (1966) 165–184.
- [1513] E. STØRMER, On anti-automorphisms of Von Neumann algebras, *Pacific J. Math.* **21** (1967) 349–370.
- [1514] E. STØRMER, Types of Von Neumann algebras associated with extremal invariant states, *Commun. Math. Phys.* **6** (1967) 194–204.
- [1515] E. STØRMER, Two-sided ideals in C*-algebras, *Bull. Amer. Math. Soc.* **73** (1967) 254–257.
- [1516] E. STØRMER, Positive linear maps and Jordan homomorphisms of C*-algebras, in: *Symp. on C*-algebras, Baton Rouge* (1967).
- [1517] E. STØRMER, Large groups of automorphisms of C*-algebras, *Commun. Math. Phys.* **5** (1967) 1–22.
- [1518] E. STØRMER, On partially ordered vector spaces and their duals, with applications to simplexes and C*-algebras, *Proc. London Math. Soc.* **18** (1968) 245–265.
- [1519] E. STØRMER, Irreducible Jordan algebras of self-adjoint operators, *Trans. Amer. Math. Soc.* **130** (1968) 153–166.
- [1520] E. STØRMER, A characterization of pure states of C*-algebras, *Proc. Amer. Math. Soc.* **19** (1968) 1100–1102.
- [1521] E. STØRMER, Symmetric states of infinite tensor products of C*-algebras, *J. Functional Anal.* **3** (1969) 48–68.
- [1522] E. STØRMER, States and invariant maps of operator algebras, *J. Functional Anal.* **5** (1970) 44–65.
- [1523] E. STØRMER, The even CAR algebra, *Commun. Math. Phys.* **16** (1970) 136–137.
- [1524] E. STØRMER, Asymptotically abelian systems, in: *Cargèse lectures in Phys.* **4** (1970) 195–213.
- [1525] E. STØRMER, On infinite tensors of Von Neumann algebras, *Amer. J. Math.* **93** (1971) 810–818.
- [1526] E. STØRMER, Automorphisms and invariant states of operator algebras, *Acta Math.* **127** (1971) 1–9.
- [1527] E. STØRMER, Hyperfinite product factors, *Ark. Mat.* **9** (1971) 165–170.
- [1528] E. STØRMER, Invariant states of Von Neumann algebras, *Math. Scand.* **90** (1972) 253–256.
- [1529] E. STØRMER, Spectra of states and asymptotically abelian C*-algebras, *Commun. Math. Phys.* **28** (1972) 279–294.
- [1530] E. STØRMER, Hyperfinite product factors, II, *J. Functional Anal.* **10** (1972) 471–480.
- [1531] E. STØRMER, On projection maps of Von Neumann algebras, *Math. Scand.* **30** (1972) 46–50.
- [1532] E. STØRMER, Automorphisms and equivalence in Von Neumann algebras, *Pacific J. Math.* **44** (1973) 371–383.
- [1533] E. STØRMER, Spectra of ergodic transformations, *J. Functional Anal.* **15** (1974) 202–215.
- [1534] E. STØRMER, Inner automorphisms of Von Neumann algebras, *Commun. Math. Phys.* **36** (1974) 115–122.
- [1535] E. STØRMER, Hyperfinite product factors, III, *Amer. J. Math.* **97** (1975) 589–595.

- [1536] S. STRĂTILĂ and L. ZSIDÓ, Une théorie algébrique de la réduction pour les W^* -algèbres, *C.R. Acad. Sci. Paris* **272** (1971) 1453–1456.
- [1537] S. STRĂTILĂ and L. ZSIDÓ, Sur la théorie algébrique de la réduction pour les W^* -algèbres, *C.R. Acad. Sci. Paris* **275** (1972) 451–454.
- [1538] S. STRĂTILĂ and L. ZSIDÓ, An algebraic reduction theory for W^* -algebras, *J. Functional Anal.* **11** (1972) 295–313.
- [1539] S. STRĂTILĂ and L. ZSIDÓ, An algebraic reduction theory for W^* -algebras, II, *Rev. Roumaine Math. Pures Appl.* **18** (1973) 407–460.
- [1540] S. STRĂTILĂ and L. ZSIDÓ, On the range of a derivation in a W^* -algebra, *Rev. Roumaine Math. Pures Appl.* **18** (1973) 101–103.
- [1541] S. STRĂTILĂ and L. ZSIDÓ, A spectral characterization of the maximal ideal in factors, *Acta Sci. Math. Szeged* **36** (1974) 155–159.
- [1542] R. F. STREATER, Intensive observables in quantum theory, *J. Math. Phys.* **5** (1964) 581–590.
- [1543] R. F. STREATER, Current commutation relations and continuous tensor products, *Nuovo Cimento* **53** (1968) 487–495.
- [1544] R. F. STREATER, On certain non-relativistic quantized fields, *Commun. Math. Phys.* **7** (1968) 93–98.
- [1545] R. F. STREATER, A continuum analogue of the lattice gas, *Commun. Math. Phys.* **12** (1969) 226–232.
- [1546] R. F. STREATER and I. F. WILDE, The time evolution of quantized fields with bounded quasi-local interaction density, *Commun. Math. Phys.* **17** (1970) 21–32.
- [1547] R. F. STREATER and A. WULFSOHN, Continuous tensor product of Hilbert spaces, *Nuovo Cimento* (B) **57** (1968) 330–339.
- [1548] C. SUNOUCHI, A generalization of Schatten–Von Neumann–Dixmier theorem for type I AW^* -algebras, *Tôhoku Math. J.* **23** (1971) 727–734.
- [1549] H. SUNOUCHI, On rings of operators of infinite classes, *Proc. Japan Acad.* **28** (1952) 9–13.
- [1550] H. SUNOUCHI, On rings of operators of infinite classes, II, *Proc. Japan Acad.* **28** (1952) 330–335.
- [1551] H. SUNOUCHI, The irreducible decomposition of the maximal hilbert algebras of the finite class, *Tôhoku Math. J.* **4** (1952) 207–215.
- [1552] H. SUNOUCHI, An extension of the Plancherel formula to unimodular groups, *Tôhoku Math. J.* **4** (1952) 216–230.
- [1553] H. SUNOUCHI, A characterization of the maximal ideal in a factor of the case II_∞ , I, II, *Kodai Math. Sem. Rept.* **6** (1954) 7, **7** (1955) 65–66.
- [1554] H. SUNOUCHI, Infinite Lie rings, *Tôhoku Math. J.* **8** (1956) 291–307.
- [1555] C. E. SUTHERLAND, Direct integral theory for weights, and the Plancherel formula, *Bull. Amer. Math. Soc.* **80** (1974) 456–461.
- [1556] C. E. SUTHERLAND, Crossed products, direct integrals and Connes classification of type III factors, to appear.
- [1557] N. SUZUKI, On the invariants of W^* -algebras, *Tôhoku Math. J.* **7** (1955) 177–185.
- [1558] N. SUZUKI, On automorphisms of W^* -algebras leaving the center elementwise invariant, *Tôhoku Math. J.* **7** (1955) 186–191.
- [1559] N. SUZUKI, A linear representation of a countably infinite group, *Proc. Japan Acad.* **34** (1958) 575–579.

- [1560] N. SUZUKI, Crossed products of rings of operators, *Tôhoku Math. J.* **11** (1959) 113–124.
- [1561] N. SUZUKI, Certain types of groups of automorphisms of a factor, *Tôhoku Math. J.* **11** (1959) 314–320, **12** (1959) 477–478.
- [1562] N. SUZUKI, Extensions of rings of operators in Hilbert spaces, *Tôhoku Math. J.* **14** (1962) 217–232.
- [1563] N. SUZUKI, Isometries on Hilbert spaces, *Proc. Japan Acad.* **39** (1963) 435–438.
- [1564] N. SUZUKI, On the type of completely continuous operators, *Proc. Japan Acad.* **40** (1964) 683–685.
- [1565] N. SUZUKI, Algebraic aspects of non self-adjoint operators, *Proc. Japan Acad.* **41** (1965) 706–710.
- [1566] N. SUZUKI, On the spectral decomposition of dissipative operators, *Proc. Japan Acad.* **42** (1966) 577–582.
- [1567] N. SUZUKI, The algebraic structure of non self-adjoint operators, *Acta Sci. Math. Szeged* **28** (1966) 173–184.
- [1568] N. SUZUKI, On a weakly convergent sequence of normal functionals on a Von Neumann algebra, *Proc. Amer. Math. Soc.* **22** (1969) 697–701.
- [1569] N. SUZUKI, Representation of certain Banach *-algebras, *Proc. Japan Acad.* **45** (1969) 696–699.
- [1570] N. SUZUKI and T. SAITO, On the operators which generate continuous Von Neumann algebras, *Tôhoku Math. J.* **15** (1963) 277–280.
- [1571] W. SZYMANSKI, Characters of finitely generated C*-algebras, *Ann. Polon. Math.* **27** (1973) 317–322.
- [1572] I. B. TABOR, On the theory of categories of Hilbert Spaces, *Vestnik Moskov. Univ. (I) Mat. Meh.* **26** (1971) 65–68 (in Russian).
- [1573] R. TAKAHASHI, Sur les représentations unitaires des groupes de Lorentz généralisés, *Bull. Soc. Math. France* **91** (1963) 289–433.
- [1574] A. TAKAHASHI, The Cauchy–Schwarz inequality, *Rev. Colombiana Mat.* **7** (1973) 101–107 (in Spanish).
- [1575] S. TAKAHASI, A note on the theorem of Stone–Weierstrass, *Bull. Fac. Sci. Ibaraki Univ.* **2** (1969) 5–7.
- [1576] S. TAKAHASI, On Urysohn's lemma for spectrums of C*-algebras, *Bull. Fac. Sci. Ibaraki Univ.* **3** (1971) 5–11.
- [1577] S. TAKAHASI, Duality and Von Neumann algebras, *Bull. Fac. Sci. Ibaraki Univ.* **4** (1972) 33–35.
- [1578] S. TAKAHASI, On locally inner automorphisms of certain C*-algebras, *Bull. Fac. Sci. Ibaraki Univ.* **5** (1973) 41–46.
- [1579] S. TAKAHASI, A note on the homomorphic images of the center of C*-algebras, *Bull. Fac. Sci. Ibaraki Univ.* **6** (1974) 29–32.
- [1580] H. TAKAI, On an algebraic model for Von Neumann algebras, *Proc. Japan Acad.* **46** (1970) 941–943.
- [1581] H. TAKAI, On an algebraic model for Von Neumann algebras, II, *Proc. Japan Acad.* **46** (1970) 1091–1095.
- [1582] H. TAKAI, On an algebraic model for Von Neumann algebras, III, *Mem. Osaka Kyoiku Univ.* **20** (1971) 121–123.
- [1583] H. TAKAI, Dualité dans les produits croisés de C*-algèbres, *C.R. Acad. Sci. Paris* **278** (1974) 1041–1043.

- [1584] H. TAKAI, On a duality for crossed products of C*-algebras. *J. Functional Anal.* **19** (1975) 25–39.
- [1585] H. TAKAI, The quasi-orbit space of continuous C*-dynamical systems. *Trans. Amer. Math. Soc.* **216** (1976) 105–113.
- [1586] H. TAKAI and H. YAMADA, A note on the dilation theorem, *Proc. Japan Acad.* **48** (1972) 216–220.
- [1587] Z. TAKEDA, On a theorem of R. Pallu de la Barrière. *Proc. Japan Acad.* **28** (1952) 558–563.
- [1588] Z. TAKEDA, Perfection of measure spaces and W*-algebras, *Kodai Math. Sem. Rept.* **5** (1953) 23–26.
- [1589] Z. TAKEDA, Conjugate spaces of operator algebras, *Proc. Japan Acad.* **30** (1954) 90–95.
- [1590] Z. TAKEDA, On the representations of operator algebras. *Proc. Japan Acad.* **30** (1954) 299–304.
- [1591] Z. TAKEDA, On the representations of operator algebras, II. *Tôhoku Math. J.* **6** (1954) 212–219.
- [1592] Z. TAKEDA, Inductive limit and infinite direct product of operator algebras, *Tôhoku Math. J.* **7** (1955) 67–86.
- [1593] Z. TAKEDA, On the extensions of finite factors, II, *Proc. Japan Acad.* **35** (1959) 215–220.
- [1594] Z. TAKEDA, On the extension theorem of the Galois theory for finite factors. *Proc. Japan Acad.* **37** (1961) 78–82.
- [1595] Z. TAKEDA, On the normal basis theorem of the Galois theory for finite factors. *Proc. Japan Acad.* **37** (1961) 144–148.
- [1596] Z. TAKEDA and T. TURUMARU, On the property “Position p”, *Math. Japon.* **2** (1952) 195–197.
- [1597] H. TAKEMOTO, W*-algebra with a non-separable cyclic representation, *Tôhoku Math. J.* **20** (1968) 567–576.
- [1598] H. TAKEMOTO, On the homomorphism of Von Neumann algebra, *Tôhoku Math. J.* **21** (1969) 152–157.
- [1599] H. TAKEMOTO, On the integral representation of some functional on a Von Neumann algebra, *Tôhoku Math. J.* **21** (1969) 237–248.
- [1600] H. TAKEMOTO, A complement to “On the homomorphism of Von Neumann algebra”. *Tôhoku Math. J.* **22** (1970) 210–211.
- [1601] H. TAKEMOTO, On the C_p -classes in the maximal CCR ideal of a Von Neumann algebra, *Tôhoku Math. J.* **23** (1971) 301–311.
- [1602] H. TAKEMOTO, On a characterization of AW*-modules and a representation of Gelfand type of non-commutative operator algebras, *Michigan Math. J.* **20** (1973) 115–127.
- [1603] H. TAKEMOTO, Decomposable operators in continuous fields of Hilbert spaces, *Tôhoku Math. J.* **27** (1975) 413–435.
- [1604] H. TAKEMOTO and J. TOMIYAMA, On the reduction of finite Von Neumann algebra, *Tôhoku Math. J.* **25** (1973) 273–289.
- [1605] O. TAKENOUCHI, On the maximal Hilbert algebras. *Math. J. Okayama Univ.* **1** (1952) 1–31.
- [1606] O. TAKENOUCHI, On the structure of maximal Hilbert algebras. *Math. J. Okayama Univ.* **1** (1952) 1–31.

- [1607] O. TAKENOUCHI, Sur une classe de fonctions continues de type positif sur un groupe localement compact, *Math. J. Okayama Univ.* **4** (1955) 153–173.
- [1608] O. TAKENOUCHI, Sur la facteur représentation d'un groupe de Lie résoluble de type (E), *Math. J. Okayama Univ.* **7** (1957) 151–161.
- [1609] O. TAKENOUCHI, Sur les sous-algèbres d'une algèbre de Hilbert, *Ann. Sci. Ecole Norm. Sup.* **78** (1961) 211–240.
- [1610] O. TAKENOUCHI, On type classification of factors constructed as infinite tensor products, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **4** (1968) 467–482.
- [1611] M. TAKESAKI, On the direct product of W^* -factors, *Tôhoku Math. J.* **10** (1958) 116–119.
- [1612] M. TAKESAKI, On the conjugate space of an operator algebra, *Tôhoku Math. J.* **10** (1958) 194–203.
- [1613] M. TAKESAKI, A note on the cross norm of the direct product of operator algebras, *Kodai Math. Sem. Rept.* **10** (1958) 137–140.
- [1614] M. TAKESAKI, A note on the direct product of operator algebras, *Kodai Math. Sem. Rept.* **11** (1959) 178–181.
- [1615] M. TAKESAKI, On the singularity of a positive linear functional on operator algebras, *Proc. Japan Acad.* **35** (1959) 365–366.
- [1616] M. TAKESAKI, On the Hahn–Banach type theorem and the Jordan decomposition of module linear mapping over some operator algebra, *Kodai Math. Sem. Rept.* **12** (1960) 1–10.
- [1617] M. TAKESAKI, On the non-separability of singular representations of operator algebra, *Kodai Math. Sem. Rept.* **12** (1960) 102–108.
- [1618] M. TAKESAKI, On some representations of C^* -algebras, *Tôhoku Math. J.* **15** (1963) 79–95.
- [1619] M. TAKESAKI, On the unitary equivalence among the components of decompositions of representations of involutive Banach algebras and the associated diagonal algebras, *Tôhoku Math. J.* **15** (1963) 365–393.
- [1620] M. TAKESAKI, On the cross-norm of the direct product of C^* -algebras, *Tôhoku Math. J.* **16** (1964) 111–122.
- [1621] M. TAKESAKI, A complement to “On the unitary equivalence among the components of decompositions of representations of involutive Banach algebras and the associated diagonal algebras”, *Tôhoku Math. J.* **16** (1964) 226–227.
- [1622] M. TAKESAKI, Covariant representations of C^* -algebras and their locally compact automorphism groups, *Acta Math.* **119** (1967) 273–303.
- [1623] M. TAKESAKI, A duality in the representation theory of C^* -algebras, *Ann. Math.* **85** (1967) 370–382.
- [1624] M. TAKESAKI, Remarks on the reduction theory of Von Neumann algebras, *Proc. Amer. Math. Soc.* **20** (1969) 434–438.
- [1625] M. TAKESAKI, A characterization of group algebras as a converse of Tannaka–Stinespring–Tatsuuma duality theorem, *Amer. J. Math.* **91** (1969) 529–564.
- [1626] M. TAKESAKI, A generalized commutation relation for the regular representation, *Bull. Soc. Math. France* **97** (1969) 289–297.
- [1627] M. TAKESAKI, The theory of operator algebras, Lecture Notes, Univ. of California, Los Angeles (1969–70).
- [1628] M. TAKESAKI, Disjointness of the KMS-states of different temperature, *Commun. Math. Phys.* **17** (1970) 21–32.

- [1629] M. TAKESAKI. *Tomita's theory of modular Hilbert algebras and its applications.* Lecture Notes in Math. **128** (Springer, Berlin, 1970).
- [1630] M. TAKESAKI. Algebraic equivalence of locally normal representations. *Pacific J. Math.* **34** (1970) 807–816.
- [1631] M. TAKESAKI. The quotient algebra of a finite Von Neumann algebra. *Pacific J. Math.* **36** (1971) 827–831.
- [1632] M. TAKESAKI. A liminal crossed product of a uniformly hyperfinite C*-algebra by a compact abelian automorphism group. *J. Functional Anal.* **7** (1971) 140–146.
- [1633] M. TAKESAKI. Duality and Von Neumann algebras. *Bull. Amer. Math. Soc.* **77** (1971) 553–557.
- [1634] M. TAKESAKI. Conditional expectations in Von Neumann algebras. *J. Functional Anal.* **9** (1972) 306–321.
- [1635] M. TAKESAKI. Duality and Von Neumann algebras, in: *Lecture Notes in Math.* **247** (Springer, Berlin, 1972) 663–786.
- [1636] M. TAKESAKI. A short proof for the commutation theorem $(M_1 \overline{\otimes} M_2)' = M_1' \overline{\otimes} M_2'$, in: *Lecture Notes in Math.* **247** (Springer, Berlin, 1972) 780–786.
- [1637] M. TAKESAKI. Dualité dans les produits croisés d'algèbres de Von Neumann. *C.R. Acad. Sci. Paris* **276** (1973) 41–43.
- [1638] M. TAKESAKI. Algèbres de Von Neumann proprement infinies et produits croisés. *C.R. Acad. Sci. Paris* **276** (1973) 125–127.
- [1639] M. TAKESAKI. Periodic and homogeneous states on a Von Neumann algebra. I. II. III. *Bull. Amer. Math. Soc.* **79** (1973) 202–206, 416–420, 559–563.
- [1640] M. TAKESAKI. The structure of a Von Neumann algebra with a homogeneous periodic state. *Acta Math.* **131** (1973) 79–121.
- [1641] M. TAKESAKI. Duality in crossed products and Von Neumann algebras of type III. *Bull. Amer. Math. Soc.* **79** (1973) 1004–1005.
- [1642] M. TAKESAKI. Duality for crossed products and the structure of Von Neumann algebras of type III. *Acta Math.* **131** (1973) 249–310.
- [1643] M. TAKESAKI. Faithful states on a C*-algebra. *Pacific J. Math.* **52** (1973) 605–610.
- [1644] M. TAKESAKI. Disintegration of locally normal states and algebraic equivalence of locally normal representations, to appear.
- [1645] M. TAKESAKI and N. TATSUUMA. Duality and subgroups. *Ann. Math.* **93** (1971) 344–364.
- [1646] M. TAKESAKI and N. TATSUUMA. Duality and subgroups. II, to appear.
- [1647] M. TAKESAKI and M. WINNINK. Local normality in quantum statistical mechanics, *Commun. Math. Phys.* **30** (1973) 129–152.
- [1648] P. K. TAM. On an ergodic abelian M-group. *Proc. Japan Acad.* **47** (1971) 456–457.
- [1649] P. K. TAM. On the unitary equivalence of certain classes of non-normal operators. I. *Can. J. Math.* **23** (1971) 849–856.
- [1650] P. K. TAM. On the commutant of certain automorphism groups. *Can. J. Math.* **25** (1973) 1165–1169.
- [1651] R. J. TAUER. Maximal abelian subalgebras in finite factors of type II. *Trans. Amer. Math. Soc.* **114** (1965) 281–308.
- [1652] R. J. TAUER. Semi-regular maximal abelian subalgebras in hyperfinite factors. *Bull. Amer. Math. Soc.* **71** (1965) 606–608.
- [1653] R. J. TAUER. M-Semiregular subalgebras in hyperfinite factors. *Trans. Amer. Math. Soc.* **129** (1967) 530–541.

- [1654] D. C. TAYLOR, The strict topology for double centralizer algebras, *Trans. Amer. Math. Soc.* **150** (1970) 633–643.
- [1655] D. C. TAYLOR, Interpolation in algebras of operator fields, *J. Functional Anal.* **10** (1972) 159–190.
- [1656] D. C. TAYLOR, A general Phillips theorem for C^* -algebras and some applications, *Pacific J. Math.* **40** (1972) 477–488.
- [1657] D. C. TAYLOR, A general Hoffman–Wermer theorem for algebras of operator fields, *Proc. Amer. Math. Soc.* **52** (1975) 212–216.
- [1658] J. L. TAYLOR, The Tomita decomposition of rings of operators, *Trans. Amer. Math. Soc.* **113** (1964) 30–39.
- [1659] S. TELEMAN, Sur les algèbres de J. Von Neumann, *Bull. Sci. Math.* **82** (1958) 117–126.
- [1660] S. TELEMAN, La représentation des algèbres de Von Neumann finies par faisceaux, *Rev. Roumaine Math. Pures Appl.* **15** (1970) 143–151.
- [1661] S. TELEMAN, Representation of finite Von Neumann algebras by sheaves, *Studia Math.* **38** (1970) 465–466.
- [1662] S. TELEMAN, Representations of Von Neumann algebras by sheaves, in: *Hilbert Space Operators*, Colloq. Math. Soc. János Bolyai, Vol. 5 (North-Holland, Amsterdam) 519–538.
- [1663] S. TELEMAN, Theory of harmonic algebras with applications to Von Neumann algebras and cohomology of locally compact spaces (de Rham's theorem), in: *Lecture Notes in Math.* **248** (Springer, Berlin, 1971) 100–315.
- [1664] S. TELEMAN, On algebraic reduction theory, *Rev. Roumaine Math. Pures Appl.* **17** (1972) 287–307.
- [1665] S. TELEMAN, Algebraic reduction and dimension theory, *Rev. Roumaine Math. Pures Appl.* **17** (1972) 1265–1281.
- [1666] S. TELEMAN, The commutation theorem in the algebraic reduction theory, *Rev. Roumaine Math. Pures Appl.* **17** (1972) 1451–1472.
- [1667] S. TELEMAN, Extended Von Neumann algebras and their representation by sheaves, *Rev. Roumaine Math. Pures Appl.* **18** (1973) 727–760.
- [1668] S. TELEMAN, Sur la réduction des algèbres de Von Neumann, *C.R. Acad. Sci. Paris* **280** (1975) 1685–1688.
- [1669] S. TELEMAN, Sur la réduction des algèbres de Von Neumann, *Rev. Roumaine Math. Pures Appl.* **20** (1975) 693–742.
- [1670] D. TESTARD, Algèbre de covariance, *Ann. Inst. H. Poincaré* **6** (1967) 267–297.
- [1671] M. R. TETRANAŠVILI, Measures of Haar type which are not invariant with respect to the symmetry of a group, *Sakharth. SSR Mecn. Akad. Moambe* **47** (1967) 519–524.
- [1672] E. THOMA, Zur Reduktionstheorie in separablen Hilbert-Räumen, *Math. Z.* **67** (1957) 1–9.
- [1673] E. THOMA, Zur Reduktionstheorie in allgemeinen Hilbert-Räumen, *Math. Z.* **68** (1957) 153–188.
- [1674] E. THOMA, Über unitäre Darstellungen abzählbarer, diskreter Gruppen, *Math. Ann.* **153** (1964) 111–138.
- [1675] TI YEN, Trace on finite AW^* -algebras, *Duke Math. J.* **22** (1955) 207–222.
- [1676] TI YEN, Isomorphisms of unitary groups in AW^* -algebras, *Tôhoku Math. J.* **8** (1956) 275–280.

- [1677] TI YEN, Quotient algebra of a finite AW*-algebra, *Pacific J. Math.* **6** (1956) 389–395.
- [1678] TI YEN, Isomorphisms of AW*-algebras, *Proc. Amer. Math. Soc.* **8** (1957) 345–349.
- [1679] M. TOMITA, On rings of operators in non-separable Hilbert spaces, *Mem. Fac. Sci. Kyushu Univ.* **7** (1953) 129–168.
- [1680] M. TOMITA, Representations of operator algebras, *Math. J. Okayama Univ.* **3** (1954) 147–173.
- [1681] M. TOMITA, Harmonic analysis on locally compact groups, *Math. J. Okamaya Univ.* **5** (1956) 133–193.
- [1682] M. TOMITA, Spectral theory of operator algebras, I, *Math. J. Okayama Univ.* **9** (1959) 63–98.
- [1683] M. TOMITA, Spectral theory of operator algebras, II, *Math. J. Okayama Univ.* **10** (1960) 19–60.
- [1684] M. TOMITA, The second dual of a C*-algebra, *Mem. Fac. Sci. Kyushu Univ.* **21** (1967) 185–193.
- [1685] M. TOMITA, Quasi-standard Von Neumann algebras, Mimeographed Notes (1967).
- [1686] B. J. TOMIUK, Duality and the existence of weakly completely continuous elements in a B*-algebra, *Glasgow Math. J.* **13** (1972) 56–60.
- [1687] B. J. TOMIUK and K. WONG, The Arens product and duality in B*-algebras, *Proc. Amer. Math. Soc.* **25** (1970) 529–535.
- [1688] J. TOMIYAMA, On the projection of norm one in W*-algebras, *Proc. Japan Acad.* **33** (1957) 608–612.
- [1689] J. TOMIYAMA, On the projection of norm one in W*-algebras, II, *Tôhoku Math. J.* **10** (1958) 204–209.
- [1690] J. TOMIYAMA, A remark on the invariants of W*-algebras, *Tôhoku Math. J.* **10** (1958) 37–41.
- [1691] J. TOMIYAMA, Generalized dimension function for W*-algebras of finite type, *Tôhoku Math. J.* **10** (1958) 121–129.
- [1692] J. TOMIYAMA, On the projection of norm one in W*-algebras, III, *Tôhoku Math. J.* **11** (1959) 125–129.
- [1693] J. TOMIYAMA, On the product projection of norm one in the direct product of operator algebras, *Tôhoku Math. J.* **11** (1959) 305–313.
- [1694] J. TOMIYAMA, Topological representations of C*-algebras, *Tôhoku Math. J.* **14** (1962) 187–204.
- [1695] J. TOMIYAMA, A characterization of C*-algebras whose conjugate spaces are separable, *Tôhoku Math. J.* **15** (1963) 96–102.
- [1696] J. TOMIYAMA, Applications of Fubini type theorem to the tensor product of C*-algebras, *Tôhoku Math. J.* **19** (1967) 213–226.
- [1697] J. TOMIYAMA, A remark on representations of CCR algebras, *Proc. Amer. Math. Soc.* **19** (1968) 1506.
- [1698] J. TOMIYAMA, On the tensor products of Von Neumann algebras, *Pacific J. Math.* **30** (1969) 263–270.
- [1699] J. TOMIYAMA, Tensor products and projections of norm one in Von Neumann algebras, Lecture Notes, Univ. of Copenhagen (1970).
- [1700] J. TOMIYAMA, Applications de Fubini dans les produits tensoriels infinis d'algèbres de Von Neumann, *Bull. Yamagata Univ. Natur. Sci.* **8** (1973) 361–368.
- [1701] J. TOMIYAMA, On some types of maximal abelian subalgebras, *J. Functional Anal.* **10** (1972) 373–386.

- [1702] J. TOMIYAMA, Derivations of C^* -algebras which are not determined by multipliers in any quotient algebra, *Proc. Amer. Math. Soc.* **47** (1975) 265–267.
- [1703] J. TOMIYAMA, Functional fields and module duals of operator algebras, to appear.
- [1704] J. TOMIYAMA, The extension property of Von Neumann algebras and a class of C^* -algebras associated to them, to appear.
- [1705] J. TOMIYAMA, Primitive ideals in tensor products of Banach algebras, to appear.
- [1706] J. TOMIYAMA, Tensor products and approximation problems of C^* -algebras, *Publ. Res. Inst. Math. Sci. Kyoto Univ.* **11** (1975) 163–183.
- [1707] J. TOMIYAMA, Derived algebras of C^* -algebras, to appear.
- [1708] J. TOMIYAMA and M. TAKESAKI, Applications of fibre bundles to the certain class of C^* -algebras, *Tôhoku Math. J.* **13** (1961) 498–523.
- [1709] D. M. TOPPING, Vector lattices of self-adjoint operators, *Bull. Amer. Math. Soc.* **69** (1963) 251–255.
- [1710] D. M. TOPPING, Vector lattices of self-adjoint operators, *Trans. Amer. Math. Soc.* **115** (1965) 14–30.
- [1711] D. M. TOPPING, Jordan algebras of self-adjoint operators, *Bull. Amer. Math. Soc.* **71** (1965) 160–164.
- [1712] D. M. TOPPING, Jordan algebras of self-adjoint operators, *Mem. Amer. Math. Soc.* **53** (1965).
- [1713] D. M. TOPPING, An isomorphism invariant for spin factors, *J. Math. Mech.* **15** (1966) 1055–1064.
- [1714] D. M. TOPPING, Asymptoticity and semi-modularity in projection lattices, *Pacific J. Math.* **20** (1967) 317–325.
- [1715] D. M. TOPPING, UHF algebras are singly generated, *Math. Scand.* **22** (1968) 224–226.
- [1716] D. M. TOPPING, Transcendental quasi-nilpotents in operator algebras, *J. Functional Anal.* **2** (1968) 342–351.
- [1717] D. M. TOPPING, On linear combinations of special operators, *J. Algebra* **10** (1968) 516–521.
- [1718] D. M. TOPPING, *Lectures on Von Neumann Algebras* (Van Nostrand, New York, 1971).
- [1719] E. TORRANCE, Maximal C^* -subalgebras of a Banach algebra, *Proc. Amer. Math. Soc.* **25** (1970) 622–624.
- [1720] C. S. TSAU, Non-isomorphic factors of type III without property L, to appear.
- [1721] K. TSUJI, Representation theorems of operator algebras and their applications, *Proc. Japan Acad.* **31** (1955) 272–277.
- [1722] K. TSUJI, Harmonic analysis on locally compact groups, *Bull. Kyushu Inst. Technol.* **2** (1956) 16–32.
- [1723] K. TSUJI, W^* -algebras and abstract L-spaces, *Bull. Kyushu Inst. Technol.* **3** (1957) 11–13.
- [1724] K. TSUJI, Annihilators of Von Neumann algebras (annihilating spaces), *Bull. Kyushu Inst. Technol.* **10** (1963) 25–39, **13** (1963) 19.
- [1725] K. TSUJI, The J. Von Neumann commutation theorem, *Bull. Kyushu Inst. Technol.* **13** (1966) 1–3.
- [1726] K. TSUJI, Tensor product of annihilating spaces, *Bull. Kyushu Inst. Technol.* **13** (1966) 15–18.
- [1727] K. TSUJI, On nest algebras of operators, *Proc. Japan Acad.* **46** (1970) 337–340.

- [1728] T. TURUMARU, On the direct product of operator algebras, I, *Tôhoku Math. J.* **4** (1952) 242–251.
- [1729] T. TURUMARU, On the direct product of operator algebras, II, *Tôhoku Math. J.* **5** (1953) 1–7.
- [1730] T. TURUMARU, On the direct product of operator algebras, III, *Tôhoku Math. J.* **6** (1954) 208–211.
- [1731] T. TURUMARU, On the direct product of operator algebras, IV, *Tôhoku Math. J.* **8** (1956) 281–285.
- [1732] T. TURUMARU, Crossed product of operator algebra, *Tôhoku Math. J.* **10** (1958) 335–365.
- [1733] H. UMEGAKI, On some representation theorems in an operator algebra, I, II, *Proc. Japan Acad.* **27** (1951) 328–333, 501–505.
- [1734] H. UMEGAKI, On some representation theorems in an operator algebra, III, *Proc. Japan Acad.* **28** (1952) 29–31.
- [1735] H. UMEGAKI, Operator algebra of finite class, *Kodai Math. Sem. Rept.* **4** (1952) 123–129.
- [1736] H. UMEGAKI, Decomposition theorems of operator algebra and their applications, *Japan J. Math.* **22** (1952) 27–50.
- [1737] H. UMEGAKI, Operator algebra of finite class, II, *Kodai Math. Sem. Rept.* **5** (1953) 61–63.
- [1738] H. UMEGAKI, Note on irreducible decompositions of a positive linear functional, *Kodai Math. Sem. Rept.* **6** (1954) 25–32.
- [1739] H. UMEGAKI, Conditional expectation in an operator algebra, I, *Tôhoku Math. J.* **6** (1954) 177–181.
- [1740] H. UMEGAKI, Weak compactness in an operator space, *Kodai Math. Sem. Rept.* **8** (1956) 145–151.
- [1741] H. UMEGAKI, Conditional expectation in an operator algebra, II, *Tôhoku Math. J.* **8** (1956) 86–100.
- [1742] H. UMEGAKI, Conditional expectation in an operator algebra, III, *Kodai Math. Sem. Rept.* **11** (1959) 51–64.
- [1743] H. UMEGAKI, On information in operator algebras, *Proc. Japan Acad.* **37** (1961) 459–461.
- [1744] H. UMEGAKI, Entropy functional in stationary channels, *Proc. Japan Acad.* **38** (1962) 668–672.
- [1745] H. UMEGAKI, Conditional expectation in an operator algebra, IV: Entropy and information, *Kodai Math. Sem. Rept.* **14** (1962) 59–85.
- [1746] L. I. VAIÑERMAN, Characterization of objects dual to locally compact groups, *Funkcional. Anal. Prilož.* **8** (1974) 75–76 (in Russian).
- [1747] L. I. VAIÑERMAN and G. I. KAC, Non-unimodular ring groups and Hopf–Von Neumann algebras, *Math. Sb.* **136** (1974) 194–225 (in Russian).
- [1748] A. VAN DAELE, Quasi-equivalence of quasi-free states in the Weyl algebra, *Commun. Math. Phys.* **21** (1971) 171–191.
- [1749] A. VAN DAELE, The upper envelope of invariant functionals majorized by an invariant weight, *Pacific J. Math.* **46** (1973) 283–302.
- [1750] A. VAN DAELE, A new approach to the Tomita–Takesaki theory of generalized Hilbert algebras, *J. Functional Anal.* **15** (1974) 378–393.
- [1751] A. VAN DAELE, A Radon–Nikodym theorem for weights on Von Neumann algebras, to appear.

- [1752] A. VAN DAELE and A. VERBEURE, Unitary equivalence of Fock representations on the Weyl algebra, *Commun. Math. Phys.* **20** (1971) 268–278.
- [1753] J. VARELA, Duality of C^* -algebras, *Mem. Amer. Math. Soc.* **148** (1974) 97–108.
- [1754] J. VARELA, Sectional representations of Banach modules, *Math. Z.* **139** (1974) 55–61.
- [1755] N. T. VAROPOULOS, Sur les formes positives d'une algèbre de Banach, *C.R. Acad. Sci. Paris* **258** (1964) 2465–2467.
- [1756] F. H. VASILESCU and L. ZSIDÓ, Uniformly bounded groups in finite W^* -algebras, *Acta Sci. Math. Szeged* **36** (1974) 189–192.
- [1757] N. B. VASIL'EV, C^* -algebras with finite-dimensional irreducible representations, *Uspehi Mat. Nauk* **21** (1966) 135–154 (in Russian; English transl.: *Russian Math. Surv.* **21**, 137–155).
- [1758] A. VERBEURE and R. A. WEDER, Stability in linear response and clustering properties, *Commun. Math. Phys.* **44** (1975) 101–105.
- [1759] A. M. VERŠIK, Non-measurable decompositions, orbit theory, algebras of operators, *Dokl. Akad. Nauk SSSR* **199** (1971) 1004–1007 (in Russian; English transl.: *Soviet Math.* **12** (1971) 1218–1222).
- [1760] A. M. VERŠIK, A geometric theory of states, Von Neumann boundary, duality of C^* -algebras, *Zap. Naučn. Sem. Leningr. Otdel. Mat. Inst. Steklov. (L.O.M.I.)* **29** (1972) 147–154 (in Russian).
- [1761] J. VESTERSTRØM, Quotients of finite W^* -algebras, *Bull. Amer. Math. Soc.* **77** (1971) 235–238.
- [1762] J. VESTERSTRØM, On the homomorphic image of the center of a C^* -algebra, *Math. Scand.* **29** (1971) 134–136.
- [1763] J. VESTERSTRØM, Quotients of finite W^* -algebras, *J. Functional Anal.* **9** (1972) 322–335.
- [1764] J. VESTERSTRØM, On open maps, compact convex sets, and operator algebras, *J. London Math. Soc.* **6** (1973) 289–297.
- [1765] J. VESTERSTRØM, Positive linear extension operators for spaces of affine functions, to appear.
- [1766] J. VESTERSTRØM and W. WILS, Direct integrals of Hilbert spaces, II, *Math. Scand.* **26** (1970) 89–102.
- [1767] I. VIDAV, Sur un système d'axiomes caractérisant les algèbres C^* , *Glasnik Mat. Fiz. Astron. Društvo* **16** (1961) 189–192.
- [1768] G. F. VINCENT-SMITH, Positive maps between partially ordered bimodules, *Proc. London Math. Soc.* **19** (1965) 661–674.
- [1769] D. V. VOICULESCU, Sur les sous-espaces parafermés invariants d'une algèbre de Von Neumann, *Bull. Sci. Math.* **96** (1972) 161–168.
- [1770] D. V. VOICULESCU, Sur un théorème de Misonou, *Rev. Roumaine Math. Pures Appl.* **17** (1972) 300–310.
- [1771] D. V. VOICULESCU, Un théorème du type Weyl–Von Neumann non commutatif, *C.R. Acad. Sci. Paris* **281** (1975) 735–736.
- [1772] J. VON NEUMANN, Zur Algebra der Funktionaloperationen und Theorie der normalen Operatoren, *Math. Ann.* **182** (1929) 370–427.
- [1773] J. VON NEUMANN, On a certain topology for rings of operators, *Ann. Math.* **37** (1936) 111–115.
- [1774] J. VON NEUMANN, On an algebraic generalization of the quantum-mechanical

- formalism, I, *Mat. Sb.* **1** (1936) 415–484.
- [1775] J. VON NEUMANN, Some matrix inequalities and metrization of matrix spaces, *Tomsk Univ. Rev.* **1** (1937) 286–300.
- [1776] J. VON NEUMANN, On infinite direct products, *Compositio Math.* **6** (1938) 1–77.
- [1777] J. VON NEUMANN, On rings of operators, III, *Ann. Math.* **41** (1940) 94–161.
- [1778] J. VON NEUMANN, On some algebraical properties of operator rings, *Ann. Math.* **44** (1943) 709–715.
- [1779] J. VON NEUMANN, On rings of operators. Reduction theory, *Ann. Math.* **50** (1949) 401–485.
- [1780] B. J. VOWDEN, On the Gelfand–Naimark theorem, *J. London Math. Soc.* **42** (1967) 725–731.
- [1781] B. J. VOWDEN, A new proof in the spatial theory of Von Neumann algebras, *J. London Math. Soc.* **44** (1969) 429–432.
- [1782] B. J. VOWDEN, Normalcy in Von Neumann algebras, *Proc. London Math. Soc.* **27** (1973) 88–100.
- [1783] B. J. VOWDEN, C*-norms and tensor products of C*-algebras, *J. London Math. Soc.* **7** (1974) 595–596.
- [1784] L. J. WALLEN, Semi-groups of partial isometries, *Bull. Amer. Math. Soc.* **75** (1969) 763–764.
- [1785] M. E. WALTER, Group duality and isomorphisms of Fourier and Fourier–Stieltjes algebras from a W*-algebra point of view, *Bull. Amer. Math. Soc.* **76** (1970) 1321–1325.
- [1786] S. P. WANG, On integrable representations, *Math. Z.* **147** (1976) 201–203.
- [1787] S. WASSERMANN, Tensor products of *-automorphisms of C*-algebras, *Bull. London Math. Soc.* **7** (1975) 65–70.
- [1788] S. WASSERMANN, Extension of normal functional on W*-tensor products, *Math. Proc. Cambridge Philos. Soc.* **78** (1975) 301–307.
- [1789] S. WATANABE, Positive linear maps of Banach algebras with an involution, *Sci. Rept. Niigata Univ.* **8** (1971) 1–6.
- [1790] A. WEIL, L'intégration dans les groupes topologiques et ses applications, 2nd ed., *Actualités Sci. Indust.* **1145** (Hermann, Paris, 1953).
- [1791] M. WEINLESS, Existence and uniqueness of the vacuum for linear quantized fields, *J. Functional Anal.* **4** (1969) 350–379.
- [1792] H. WIDOM, Embedding in algebras of type I, *Duke Math. J.* **23** (1956) 309–324.
- [1793] H. WIDOM, Approximately finite algebras, *Trans. Amer. Math. Soc.* **83** (1956) 170–178.
- [1794] H. WIDOM, Nonisomorphic approximately finite factors, *Proc. Amer. Math. Soc.* **8** (1957) 537–540.
- [1795] A. S. WIGHTMAN, La théorie quantique locale et la théorie quantique des champs, *Ann. Inst. H. Poincaré* **1** (1964) 403–420.
- [1796] A. WIGHTMAN and S. SCHWEBER, Configuration space methods, *Phys. Rev.* **98** (1955) 812–837.
- [1797] I. F. WILDE, Hypercontractivity for fermions, *J. Math. Phys.* **14** (1973) 791–792.
- [1798] J. J. WILLIAMS, Non-isomorphic tensor products of Von Neumann algebras, *Can. J. Math.* **26** (1974) 492–512.
- [1799] J. J. WILLIAMS, Spatial product isomorphisms of tensor products of finite Von Neumann algebras, to appear.

- [1800] J. J. WILLIAMS, A representation for infinite tensor products of semi-finite factors, to appear.
- [1801] J. P. WILLIAMS, Finite operators, *Proc. Amer. Math. Soc.* **26** (1970) 129–136.
- [1802] J. P. WILLIAMS, On the range of a derivation, *Pacific J. Math.* **38** (1971) 273–279.
- [1803] J. P. WILLIAMS, On the spectrum in the Calkin algebra, to appear.
- [1804] P. WILLIG, On trace-norms in factors of type II, *Commun. Pure Appl. Math.* **21** (1968) 585–590.
- [1805] P. WILLIG, Trace norms, global properties and direct integral decompositions of W^* -algebras, *Commun. Pure Appl. Math.* **22** (1969) 839–862.
- [1806] P. WILLIG, Properties Γ and L for type II_1 factors, *Proc. Amer. Math. Soc.* **25** (1970) 836–837.
- [1807] P. WILLIG, $B(H)$ is very non-commutative, *Proc. Amer. Math. Soc.* **24** (1970) 204–205.
- [1808] P. WILLIG, Property P and direct integral decomposition of W^* -algebras, *Proc. Amer. Math. Soc.* **29** (1971) 494–498.
- [1809] P. WILLIG, Property L and direct integral decompositions of W^* -algebras, *Proc. Amer. Math. Soc.* **30** (1971) 87–91.
- [1810] P. WILLIG, Type II W^* -algebras are not normal, *Proc. Amer. Math. Soc.* **40** (1973) 115–119.
- [1811] P. WILLIG, On hyperfinite W^* -algebras, *Proc. Amer. Math. Soc.* **40** (1973) 120–122.
- [1812] P. WILLIG, Generators and direct integral decompositions of W^* -algebras, *Tôhoku Math. J.* **26** (1974) 35–37.
- [1813] P. WILLIG, Continuous W^* -algebras are non-normal, *Tôhoku Math. J.* **26** (1974) 483–486.
- [1814] P. WILLIG, Central sequences, global properties and direct integral decompositions of W^* -algebras, to appear.
- [1815] W. WILS, Désintégration centrale des formes positives sur les C^* -algèbres, *C.R. Acad. Sci. Paris* **267** (1968) 810–812.
- [1816] W. WILS, Stone-Čech compactification and representations of operator algebras, Doctoral Dissertation, Catholic Univ., Nijmegen (1968).
- [1817] W. WILS, Central decomposition of C^* -algebras, *Proc. of the Functional Analysis Week* (1969) 55–63.
- [1818] W. WILS, Désintégration centrale dans une partie convexe compacte d'un espace localement convexe, *C.R. Acad. Sci. Paris* **269** (1969) 702–704.
- [1819] W. WILS, Two-sided ideals in W^* -algebras, *J. Reine Angew. Math.* **24** (1970) 55–68.
- [1820] W. WILS, Direct integrals of Hilbert spaces, I, *Math. Scand.* **26** (1970) 73–88.
- [1821] W. WILS, The ideal center of partially ordered vector spaces, *Acta Math.* **127** (1971) 41–77.
- [1822] W. WILS, A remark on the preceding paper by L. Gross, *J. Functional Anal.* **10** (1972) 110–113.
- [1823] M. WINNINK, An application of C^* -algebras to quantum statistical mechanics of systems in equilibrium, Thesis, Univ. of Groningen (1968).
- [1824] M. WINNINK, Algebraic aspects of the Kubo–Martin–Schwinger condition, Carrière Lecture Notes (1969).
- [1825] M. WINNINK, Some general properties of thermodynamic states in an algebraic approach, to appear.

- [1826] W. R. WOGEN, On generators for Von Neumann algebras, *Bull. Amer. Math. Soc.* **75** (1969) 95–99.
- [1827] W. R. WOGEN, On special generators for properly infinite Von Neumann algebras, *Proc. Amer. Math. Soc.* **28** (1971) 107–113.
- [1828] W. R. WOGEN, Von Neumann algebras generated by operators similar to normal operators, *Pacific J. Math.* **37** (1971) 539–543.
- [1829] P. WOJTASZCZYK, On linear properties of separable conjugate spaces of C*-algebras, *Studia Math.* **52** (1974) 143–147.
- [1830] J. C. WOLFE, Invariant states and conditional expectations of the anticommutation relations, *Commun. Math. Phys.* **44** (1975) 53–72.
- [1831] J. C. WOLFE, Free states and automorphisms of the Clifford algebra, *Commun. Math. Phys.* **45** (1975) 53–58.
- [1832] J. C. WOLFE and G. G. EMCH, C*-algebraic formalism for coarse graining. I. General theory; II. Momentum coarse graining for Fermi systems in infinite volume; III. Momentum coarse graining for Fermi systems in infinite free space, *J. Math. Phys.* **15** (1974) 1343–1347, 1348–1350, 1351–1365.
- [1833] G. WOLFSON, The algebra of bounded operators on Hilbert space, *Duke Math. J.* **20** (1953) 533–538.
- [1834] P. K. WONG, Continuous complementors on B*-algebras, *Pacific J. Math.* **33** (1970) 255–260.
- [1835] P. K. WONG, The Arens product and duality in B*-algebras, II, *Proc. Amer. Math. Soc.* **27** (1971) 535–538.
- [1836] P. K. WONG, *-actions in A*-algebras, *Pacific J. Math.* **44** (1973) 775–779.
- [1837] P. K. WONG, The p -class in a dual B*-algebra, *Trans. Amer. Math. Soc.* **200** (1974) 355–368.
- [1838] E. J. WOODS, The classification of factors is not smooth, *Can. J. Math.* **25** (1973) 96–102.
- [1839] S. L. WORONOWICZ, On the purification of factor states, *Commun. Math. Phys.* **28** (1972) 221–235.
- [1840] S. L. WORONOWICZ, On the purification maps, *Commun. Math. Phys.* **30** (1973) 55–67.
- [1841] F. B. WRIGHT, A reduction for algebras of finite type, *Ann. Math.* **60** (1954) 560–570.
- [1842] F. B. WRIGHT, The ideals in a factor, *Ann. Math.* **68** (1958) 475–483.
- [1843] J. D. M. WRIGHT, An extension theorem and a dual proof of a theorem of Gleason, *J. London Math. Soc.* **43** (1968) 699–702.
- [1844] J. D. M. WRIGHT, Order completeness and topological completeness, *J. London Math. Soc.* **1** (1969) 444–446.
- [1844] J. D. M. WRIGHT, Every monotone σ -complete C*-algebra is the quotient of its Baire *-envelope by a two-sided σ -ideal, *J. London Math. Soc.* **6** (1973) 210–214.
- [1846] J. D. M. WRIGHT, On minimal σ -completions of C*-algebras, *Bull. London Math. Soc.* **6** (1974) 168–174.
- [1847] A. WULFSOHN, Produit tensoriel de C*-algèbres, *Bull. Sci. Math.* **87** (1963) 13–21.
- [1848] A. WULFSOHN, Le produit tensoriel de certaines C*-algèbres, *C.R. Acad. Sci. Paris* **258** (1964) 6052–6054.
- [1849] A. WULFSOHN, The primitive spectrum of a tensor product of C*-algebras, *Proc. Amer. Math. Soc.* **19** (1968) 1094–1096.

- [1850] A WULFSOHN, Von Neumann factors are perfect, *Proc. Amer. Math. Soc.* **41** (1973) 189–192.
- [1851] F. J. YEADON, A new proof of the existence of a trace in a finite Von Neumann algebra, *Bull. Amer. Math. Soc.* **77** (1971) 257–260.
- [1852] F. J. YEADON, Convergence of measurable operators, *Proc. Cambridge Philos. Soc.* **74** (1973) 257–268.
- [1853] F. J. YEADON, A note on the Mackey topology of a Von Neumann algebra, *J. Math. Anal. Appl.* **45** (1974) 721–722.
- [1854] F. J. YEADON, On a result of P. G. Dixon, *J. London Math. Soc.* **9** (1975) 610–612.
- [1855] F. J. YEADON, Non-commutative L^p -spaces, *Math. Proc. Cambridge Philos. Soc.* **77** (1975) 91–102.
- [1856] K. YLINEN, Compact and finite-dimensional elements of normed algebras, *Ann. Acad. Sci. Fenn. (A1)* **428** (1968) 37 pp.
- [1857] K. YLINEN, A note on the compact elements of C^* -algebras, *Proc. Amer. Math. Soc.* **35** (1972) 305–308.
- [1858] K. YLINEN, Vector space isomorphisms of C^* -algebras, *Studia Math.* **46** (1973) 31–34.
- [1859] K. YLINEN, Dual C^* -algebras, weakly semi-completely continuous elements, and the extreme rays of the positive cone, *Ann. Acad. Sci. Fenn. (A)* **599** (1975) 1–9.
- [1860] K. YLINEN, Weakly completely continuous elements of C^* -algebras, *Proc. Amer. Math. Soc.* **52** (1975) 323–326.
- [1861] B. YOOD, Faithful *-representations of normed algebras, *Pacific J. Math.* **10** (1960) 345–363.
- [1862] B. YOOD, On Kadison's condition for extreme points of the unit ball in a B^* -algebra, *Proc. Edinburgh Math. Soc.* **16** (1968) 245–250.
- [1863] B. YOOD, On algebras which are pre-Hilbert algebras, *Duke Math. J.* **36** (1969) 261–271.
- [1864] B. YOOD, On axioms for B^* -algebras, *Bull. Amer. Math. Soc.* **76** (1970) 80–82.
- [1865] B. YOOD, Hilbert algebras as topological algebras, *Ark. Mat.* **12** (1974) 131–151.
- [1866] T. YOSHIMO, Nearly normal operators, *Tôhoku Math. J.* **20** (1968) 1–4.
- [1867] H. YOSIZAWA, On some types of convergence of positive definite functions, *Osaka Math. J.* **1** (1949) 90–94.
- [1868] H. YOSIZAWA, Some remarks on unitary representations of the free group, *Osaka Math. J.* **3** (1951) 55–63.
- [1869] H. YOSIZAWA, A proof of the Plancherel theorem, *Proc. Japan Acad.* **30** (1954) 276–281.
- [1870] K. YOSIDA, On the unitary equivalence in general Euclid space, *Proc. Japan Acad.* **22** (1946) 242–245.
- [1871] Y. YUEN, Groups of invertible elements of Banach algebras, *Bull. Amer. Math. Soc.* **79** (1973) 82–84.
- [1872] W. W. ZACHARY, Non-relativistic time-dependent scattering theory and Von Neumann algebras, I: Single channel scattering, *J. Math. Phys.* **13** (1972) 609–615.
- [1873] G. ZELLER-MEIER, Produits croisés d'une C^* -algèbre par un groupe d'automorphismes, *C.R. Acad. Sci. Paris* **263** (1966) 20–23.
- [1874] G. ZELLER-MEIER, Représentations fidèles des produits croisés, *C.R. Acad. Sci. Paris* **264** (1967) 679–682.
- [1875] G. ZELLER-MEIER, Sur les automorphismes des algèbres de Banach, *C.R. Acad. Sci. Paris* **264** (1967) 1131–1132.

- [1876] G. ZELLER-MEIER, Produits croisés d'une C^* -algèbre par un groupe d'automorphismes, *J. Math. Pures Appl.* **47** (1968) 101–239.
- [1877] G. ZELLER-MEIER, Deux autres facteurs de type H_1 , *Invent. Math.* **7** (1969) 235–242.
- [1878] J. ZEMÁNEK, A remark on transitivity of operator algebras, *Časopis Pěst. Mat.* **100** (1975) 176–178.
- [1879] L. ZSIDÓ, I. Cuculescu's proof for the commutant theorem, in: *Hilbert Space Operators, Colloq. Math. Soc. János Bolyai*, Vol. 5 (North-Holland, Amsterdam, 1970) 539–542.
- [1880] L. ZSIDÓ, The norm of a derivation in a W^* -algebra, *Proc. Amer. Math. Soc.* **38** (1973) 147–150.
- [1881] L. ZSIDÓ, Note on Dixmier's trace type sets in properly infinite W^* -algebras, *Rev. Roumaine Math. Pures Appl.* **19** (1974) 269–274.
- [1882] L. ZSIDÓ, The Weyl–Von Neumann theorem in semi-finite factors, *J. Functional Anal.* **18** (1975) 60–72.
- [1883] L. ZSIDÓ, A proof of Tomita's fundamental theorem in the theory of standard Von Neumann algebras, *Rev. Roumaine Math. Pures Appl.* **20** (1975) 609–619.

SUPPLEMENTARY BIBLIOGRAPHY

- [1884] M. B. ABRAHAMSE and R. G. DOUGLAS, A class of subnormal operators related to multiply connected domains, *Advances in Math.* **19** (1976) 106–148.
- [1885] C. A. AKEMANN and P. A. OSTRAND, Computing norms in group C^* -algebras, *Amer. J. Math.* **98** (1976) 1015–1047.
- [1886] C. A. AKEMANN and G. K. PEDERSEN, Ideal perturbations of elements in C^* -algebras, to appear.
- [1887] L. AKKARDI, The non commutative Markov property (in Russian), *Funkcional. Anal. Priložen* **9** (1975) 1–8.
- [1888] V. V. ANŠELEVIČ, The central limit theorem for a “non commutative” stationary random process (in Russian) *Uspehi Mat. Nauk* **28** (1973) 227–228.
- [1889] C. APOSTOL., Inner derivations with closed range, *Rev. Roumaine Math. Pures Appl.* **21** (1976) 249–265.
- [1890] H. ARAKI, R. HAAG, D. KASTLER and M. TAKESAKI, Extension of KMS states and chemical potentials, to appear.
- [1891] H. ARAKI and A. KISHIMOTO, Symmetry and equilibrium states, to appear.
- [1892] H. ARAKI and A. KISHIMOTO, On clustering property, to appear.
- [1893] H. ARAKI and G. L. SEWELL, KMS conditions and local thermodynamical stability of quantum lattice systems, to appear.
- [1894] R. J. ARCHBOLD, On commuting C^* -algebras of operators, *Math. Scand.* **38** (1976) 106–114.
- [1895] W. ARVESON, Interpolation problems in nest algebras, *J. Functional Anal.* **20** (1975) 208–233.
- [1896] V. A. ARZUMANJAN, Factor-states on crossed products that are constructed in terms of a dynamical system (in Russian) *Izv. Akad. Nauk Armjan. SSR Ser. Mat.* **10** (1975) 255–263 and 290.
- [1897] M. F. ATIYAH, Elliptic operators, discrete groups and Von Neumann algebras, *Astérisque* **32–33** (1976) 43–72.
- [1898] P. L. AUBERT, Théorie de Galois pour une W^* -algèbre, *Comment. Math. Helv.* **51** (1976) 411–433.
- [1899] B. A. BARNES, The similitary problem for representations of a B^* -algebra, *Michigan Math. J.* **22** (1975) 25–32.
- [1900] B. A. BARNES, On this operators relative to an ideal in a Von Neumann algebra, *Acta Sci. Math.* **38** (1976) 265–274.
- [1901] C. J. K. BATTY, On relative commutants in tensor products of C^* -algebras, *Math. Z.* **151** (1976) 215–218.
- [1902] S. K. BERBERIAN, The character space of the algebra of regulated functions, to appear.
- [1903] A. BERNARD, Algèbres non autoadjointes de champs continus d’opérateurs, in: *Lecture Notes in Math.* **336** (Springer, Berlin, 1973).
- [1904] J. J. BISOGNANO and E. H. WICHMANN, On the duality condition for quantum fields, *J. Math. Phys.* **17** (1976) 303–321.

- [1905] O. BJØRNESTAD, On factors of type II and quantum mechanics, *Helv. Phys. Acta* **46** (1973) 371–387.
- [1906] B. E. BLACKADAR, Infinite tensor products of C^* -algebras, to appear.
- [1907] W. BÖS, Direct integrals of selfdual cones and standard forms of Von Neumann algebras, *Invent. Math.* **37** (1976) 241–251.
- [1908] O. BRATTELI, A non-simple crossed product of a simple C^* -algebra by a properly outer automorphic action, to appear.
- [1909] O. BRATTELI, Structure spaces of approximately finite-dimensional C^* -algebras, II, to appear.
- [1910] O. BRATTELI, R. H. HERMAN and D. W. ROBINSON, Perturbations of flows on Banach spaces and operator algebras, to appear.
- [1911] O. BRATTELI and D. W. ROBINSON, Greens functions, Hamiltonians and modular automorphisms, *Commun. Math. Phys.* **50** (1976) 133–156.
- [1912] M. BREUER and R. S. BUTCHER, Fredholm theories of mixed type with analytic index functions, *Math. Ann.* **209** (1974) 31–42.
- [1913] G. T. BRINKE and M. WINNINK, Spectra of Liouville operators, to appear.
- [1914] L. G. BROWN, Operator algebras and algebraic K -theory, *Bull. Amer. Math. Soc.* **81** (1975) 1119–1121.
- [1915] L. G. BROWN, Stable isomorphisms of hereditary subalgebras of C^* -algebras, to appear.
- [1916] J. W. BUNCE, Finite operators and amenable C^* -algebras, *Proc. Amer. Math. Soc.* **56** (1976) 145–151.
- [1917] W. M. CHING and C. S. TSAU, A family of type III factors without property L, *Math. Ann.* **222** (1976) 195–204.
- [1918] M. D. CHOI and E. G. EFFROS, The completely positive lifting problem, to appear.
- [1919] M. D. CHOI and E. G. EFFROS, Lifting problem and the cohomology of C^* -algebras, to appear.
- [1920] E. CHRISTENSEN, G. A. ELLIOTT and G. K. PEDERSEN, Separability and hereditary subalgebras, to appear.
- [1921] A. CONNES, On the cohomology of operator algebras, to appear.
- [1922] J. B. CONWAY, On the Calkin algebra and the covering homotopy property, II, to appear.
- [1923] J. C. CORRET, Etats G-factoriels, *C.R. Acad. Sci. Paris* **275** (1972) 563–566.
- [1924] M. J. CRABB, J. DUNCAN and C. M. MCGREGOR, Characterizations of commutativity for C^* -algebras, *Glasgow Math. J.* **15** (1974) 172–175.
- [1925] J. CUNTZ, Eine Klasse von postliminalen gewichteten Schifftoperatoren, *Arch. Math.* **27** (1976) 188–198.
- [1926] J. CUNTZ, The structure of multiplication and addition in simple C^* -algebras, to appear.
- [1927] P. DE LA HARPE and M. KAROUBI, Perturbations compactes des représentations d'un groupe dans un espace de Hilbert, *Bull. Soc. Math. France* **46** (1976) 41–65.
- [1928] D. PYO CHI, Derivations in C^* -algebras, to appear.
- [1929] R. G. DOUGLAS, Banach algebra techniques in operator theory, in: *Pure and Applied Mathematics* **49** (Academic Press, New York, 1972).
- [1930] R. G. DOUGLAS, Banach algebra techniques in the theory of Toeplitz operators, Expository lectures from the CBMS Regional Conference held at the University of Georgia, AMS (1973).

- [1931] K. E. EKMAN, Unitaries and partial isometries in a real W^* -algebra, *Proc. Amer. Math. Soc.* **54** (1976) 138–140.
- [1932] G. A. ELLIOTT, Some C^* -algebras with outer derivations, III, to appear.
- [1933] G. A. ELLIOTT, On approximately finite dimensional Von Neumann algebras, *Math. Scand.* **39** (1976) 91–101.
- [1934] G. A. ELLIOTT and E. J. WOODS, The equivalence of various definitions for a properly infinite Von Neumann algebra to be approximately finite dimensional, *Proc. Amer. Math. Soc.* **60** (1976) 175–178.
- [1935] M. ENOCKH and J. M. SCHWARTZ, Algèbres de Kac et produits croisés, *C. R. Acad. Sci. Paris* **283** (1976) 321–323.
- [1936] D. E. EVANS, Positive linear maps on operator algebras, *Commun. Math. Phys.* **48** (1976) 15–22.
- [1937] D. E. EVANS, Scattering in the CAR algebra, *Commun. Math. Phys.* **48** (1976) 23–30.
- [1938] D. E. EVANS and J. T. LEWIS, Dilations of dynamical semi-groups, *Commun. Math. Phys.* **50** (1976) 219–227.
- [1939] D. E. EVANS and T. SUNG, Spectral subspaces for compact actions, to appear.
- [1940] M. FANNES, Quasi-free states and automorphisms of the CCR-algebra, *Commun. Math. Phys.* **51** (1976) 55–66.
- [1941] J. FELDMAN and C. C. MOORE, Ergodic equivalence relations, cohomology and Von Neumann algebras, II, to appear.
- [1942] M. FUJI and M. NAKAMURA, A comment on the inequalities of Arveson-Parrott and Mlak, *Math. Japon.* **20** (1975) 65–67.
- [1943] G. GALLAVOTTI and M. PULVIRENTI, Classical KMS condition and Tomita-Takasaki theory, *Commun. Math. Phys.* **46** (1976) 1–10.
- [1944] R. M. GILLETTE and D. C. TAYLOR, A characterization of the Pedersen ideal of $C_0(T, B_0(H))$ and counterexample, to appear.
- [1945] V. JA GOLODEC, Reduction of type III algebras, *Funkcional. Anal. Prilozhen* **9** (1975) 1–7.
- [1946] V. JA GOLODEC, Structure of Von Neumann algebras dual to those constructed according to dynamic systems, *Funkcional. Anal. Prilozhen* **9** (1975) 87–88.
- [1947] V. JA GOLODEC, Spectral properties of modular operators, and the asymptotic ratio set (in Russian) *Izv. Akad. Nauk SSSR Ser. Mat.* **39** (1975) 635–656 and 704.
- [1948] E. C. GOOTMAN and D. KANNAN, Zero one laws in finite W^* -algebras, *J. Math. Anal. Appl.* **55** (1976) 743–756.
- [1949] P. GREEN, C^* -algebras of transformation groups with smooth orbit space, to appear.
- [1950] P. GREEN, The local structures of twisted covariance algebras, to appear.
- [1951] W. L. GREEN, Compact groups of automorphisms of Von Neumann algebras, *Math. Scand.* **37** (1975) 284–296.
- [1952] W. A. GREENE, Ambrose modules, *Mem. Amer. Math. Soc.* **148** (1974) 109–133.
- [1953] H. HALPERN, Normal expectations and integral decomposition of type III Von Neumann algebras, to appear.
- [1954] F. HANSEN, The cohomology of \mathbf{R} is trivial, to appear.
- [1955] F. HANSEN and D. OLESEN, Perturbations of centre-fixing dynamical systems, to appear.
- [1956] J. F. HAVET, Espérances conditionnelles permutable à un groupe d'automor-

- phismes sur une algèbre de Von Neumann. *C.R. Acad. Sci. Paris* **282** (1976) 1095–1098.
- [1957] J. F. HAVET. Quelques propriétés des systèmes dynamiques non commutatifs. to appear.
- [1958] I. N. HERSTEIN. On the multiplicative group of a Banach algebra. in: *Symposia Math.* **VIII**. (Academic Press, London, 1972) 227–232.
- [1959] A. IGARASHI. Ideals in a C*-algebra. *Bull. Electrotech. Lab.* **39** (1975) 399–414.
- [1960] V. ISTRATESCU, I. ISTRATESCU and GH. CONSTANTIN. On Weyl spectrum of an operator. II. *Math. Balkanica* **4** (1974) 277–281.
- [1961] V. P. JAŠNIKOV. Harmonic functions connected with finite Von Neumann algebras (in Russian) *Uspehi Mat. Nauk* **26** (1971) 229–230.
- [1962] R. E. KALIMAN. Certain quotient spaces are countably separated. *J. Functional Anal.* **21** (1976) 52–62.
- [1963] D. KASTLER. Stability and equilibrium in quantum statistical mechanics. in: *Lecture Notes in Math.* **466** (Springer, Berlin, 1975) 86–100.
- [1964] S. V. KEROV. Duality of finite-dimensional *-algebras (in Russian) *Vestnik Leningrad Univ.* **7** (1974) 23–29.
- [1965] A. KISHIMOTO. Dissipations and derivations. *Commun. Math. Phys.* **47** (1976) 25–32.
- [1966] A. KISHIMOTO. On uniqueness of KMS states of one-dimensional quantum lattice systems, *Commun. Math. Phys.* **47** (1976) 167–170.
- [1967] I. KOVACS and GH. MOCANU. Unitary dilations and C*-algebras. *Acta. Sci. Math.* **38** (1976) 79–82.
- [1968] F. KUBO, On theorems of Phelps, Russo and Dye, *Math. Japon.* **20** (1975) 69–71.
- [1969] K. KURIJAMA. On left Hilbert algebras with respect to Minkowsky forms. *Mem. Fac. Sci. Kyushu Univ. Ser. A*, **30** (1976) 103–111.
- [1970] E. C. LANCE. Tensor products of non-unital C*-algebras. *J. London Math. Soc.* **12** (1976) 160–168.
- [1971] E. C. LANCE. Refinement of direct integral decompositions. *Bull. London Math. Soc.* **8** (1976) 49–56.
- [1972] E. C. LANCE. A strong non commutative ergodic theorem. *Bull. Amer. Math. Soc.* **82** (1976) 925–926.
- [1973] E. C. LANCE. Ergodic theorems for convex sets and operator algebras. *Invent. Math.* **37** (1976) 201–214.
- [1974] M. B. LANDSTAD. Duality for dual covariance algebras. to appear.
- [1975] A. LAU. W*-algebras and invariant functionals. to appear.
- [1976] A. J. LAZAR and D. C. TAYLOR. Multipliers of Pedersen's ideal, *Mem. Amer. Math. Soc.* **169** (1976).
- [1977] P. LEGIŠA. Well embedded Hilbert subspaces in C*-algebras. *Studia Math.* **69** (1976) 37–40.
- [1978] A. LIEBERMAN. Spectral distribution of the sum of self-adjoint operators, *Pacific J. Math.* **53** (1974) 211–216.
- [1979] G. LINDBLAD. On the generators of quantum dynamical semigroups, *Commun. Math. Phys.* **48** (1976) 119–130.
- [1980] A. A. LODKIN. A lemma on the approximation of finite dimensional *-algebras (in Russian) *Zap. Naučn. Sem. Leningrad Otdel. Math. Inst. Steklov* **47** (1974) 175–178, 190 and 194–195.

- [1981] R. I. LOEBL. Contractive linear maps on C^* -algebras. *Michigan Math. J.* **22** (1976) 361–366.
- [1982] A. I. LOGINOV and V. S. SUL'MAN. Hereditary and intermediate reflexivity of W^* -algebras. *Izv. Akad. Nauk SSSR* **39** (1975) 1260–1273.
- [1983] H. LOHÖFER. Verallgemeinerte Doppelverhältnisse relativ Von Neumannscher Algebren. Dissertation, Philipps-Universität Marburg (1975).
- [1984] R. LONGO. On perturbed derivations of C^* -algebras, to appear.
- [1985] L. E. LUNDBERG. Quasi-free “second quantization”. *Commun. Math. Phys.* **50** (1976) 103–112.
- [1986] J. MAURER. Positive lineare Abbildungen auf der n -dimensionalen Matrizenalgebra. *Arch. Math.* **28** (1977) 193–199.
- [1987] R. J. McGOVERN. Quasi-free derivations on the canonical anticommutation relation algebra, to appear.
- [1988] C. R. MIERS. Lie * triple homomorphisms into Von Neumann algebras. *Proc. Amer. Math. Soc.* **58** (1976) 169–172.
- [1989] C. C. MOORE. Group extension and cohomology for locally compact groups IV. *Trans. Amer. Math. Soc.* **221** (1976) 35–58.
- [1990] R. D. MOSAK. Banach algebras. in: *Chicago Lectures in Mathematics* (The University of Chicago Press, Chicago, 1975).
- [1991] K. NAPIORKOWSKI and W. PUSZ. Particle representations of canonical commutation relations. *Rep. Math. Phys.* **3** (1972) 221–225.
- [1992] J. NAUDTS and A. VERBEURE. Bounds on the admittance for KMS states. *J. Math. Phys.* **17** (1976) 419–423.
- [1993] V. N. NOSOV. Invariant S . weights. and states on W^* -algebras (in Russian) *Funkc. Anal. Priložen* **9** (1975) 85–86.
- [1994] D. P. O'DONOVAN. Weighted shifts and covariance algebras. *Trans. Amer. Math. Soc.* **208** (1975) 1–25.
- [1995] D. P. O'DONOVAN. Bounded matrices and some algebras of operators. *Proc. Amer. Math. Soc.* **58** (1976) 134–138.
- [1996] D. OLESEN and G. K. PEDERSEN. Applications of the Connes spectrum to C^* -dynamical systems, to appear.
- [1997] D. OLESEN, G. K. PEDERSEN and E. STØRMER. Compact abelian groups of automorphisms of simple C^* -algebras, to appear.
- [1998] C. L. OLSEN and W. R. ZAME. Some C^* -algebras with a single generator, *Trans. Amer. Math. Soc.* **215** (1976) 205–217.
- [1999] S. OTA. A certain operator algebra in an indefinite inner product space. *Mem. Fac. Sci. Kyushu. Univ. Ser. A* **29** (1975) 203–210.
- [2000] W. L. PASCHKE. Inner product modules arising from compact automorphism groups of Von Neumann algebras. *Trans. Amer. Math. Soc.* **224** (1976) 87–102.
- [2001] C. PEARY and N. SALINAS. Extensions of C^* -algebras and the reducing essential matricial spectra of an operator, to appear.
- [2002] G. K. PEDERSEN. Spectral formulas in quotient C^* -algebras. *Math. Z.* **148** (1976) 299–300.
- [2003] G. K. PEDERSEN. Groupes localement compacts d'automorphismes d'une C^* -algèbre et conditions spectrales, to appear.
- [2004] G. K. PEDERSEN. An introduction to C^* -algebra theory, to appear.

- [2005] C. PELIGRAD, Invariant subspaces of Von Neumann algebras. *Acta. Sci. Math.* **37** (1975) 273–277.
- [2006] C. PELIGRAD, Remarks on a theorem by R. G. Douglas and C. Pearcy. *Rev. Roumaine Math. Pures Appl.* **20** (1975) 359–361.
- [2007] V. J. PELLEGRINI, Numerical range preserving operators on a Banach algebra. *Studia Math.* **54** (1975) 143–147.
- [2008] G. PISIER, Grothendieck's theorem for non-commutative C^* -algebras with an appendix on Grothendieck's constants, to appear.
- [2009] S. C. POWER, C^* -modules and an odd-even decomposition for C^* -algebras. *Bull. London Math. Soc.* **8** (1976) 268–272.
- [2010] R.T. POWERS, Resistance inequalities for KMS states of the isotropic Heisenberg model. *Commun. Math. Phys.* **51** (1976) 151–156.
- [2011] W. M. PRIESTLEY, A noncommutative Korovkin theorem. *J. Approximation Theory* **16** (1976) 251–260.
- [2012] C. RADIN, Ergodicity in Von Neumann algebras, *Pacific J. Math.* **48** (1973) 235–239.
- [2013] M. REYNOLDS, Perturbations of groups of automorphisms of Von Neumann algebras. *Proc. Amer. Math. Soc.* **55** (1976) 326–328.
- [2014] M. A. RIEFFEL, Strong Morita equivalence of certain transformation group C^* -algebras. *Math. Ann.* **222** (1976) 7–22.
- [2015] J. E. ROBERTS, Local cohomology and superselection structure. *Commun. Math. Phys.* **51** (1976) 107–119.
- [2016] D. W. ROBINSON, The approximation of flows, *J. Functional Anal.* **24** (1977) 280–290.
- [2017] S. SAKAI, Commutative normal $*$ -derivations. II. *J. Functional Anal.* **21** (1976) 203–208.
- [2018] S. SAKAI, Commutative normal $*$ -derivations. III. *Tôhoku Math. J.* **28** (1976) 583–590.
- [2019] J. L. SAUVAGEOT, Image d'un homomorphisme et flot des poids d'une relation d'équivalence mesurée, *C.R. Acad. Sci. Paris* **282** (1976) 619–622.
- [2020] J. A. SCHOEN, Factor representations and factor states on a C^* -algebra, *Can. J. Math.* **28** (1976) 130–134.
- [2021] J. M. SCHWARTZ, Relations entre “ring-groups” et algèbres de Kac, *Bull. Sci. Math.* **100** (1976) 289–300.
- [2022] Z. SEBESTYEN, Remarks on the paper of H. Araki and G. A. Elliott “On the definition of C^* -algebras”, *Ann. Univ. Sci. Budapest Eötvös Sect. Math.* **17** (1974) 35–39.
- [2023] A. N. SERSTNEV, On the general theory of states on Von Neumann algebras (in Russian) *Funkcional. Anal. Prilozhen.* **8** (1974) 89–90.
- [2024] A. M. SINCLAIR, Automatic continuity of linear operators, in: London Math. Soc., Lecture Note Series **21** (Cambridge Univ. Press, London, 1976).
- [2025] J. P. SPROSTON, Derivations and automorphisms of homogeneous C^* -algebras, *Proc. London Math. Soc.* **32** (1976) 521–536.
- [2026] P. J. STACEY, Admissible split faces in the state space of a separable C^* -algebra. *Quarterly J. Math.* **26** (1975) 485–490.
- [2027] S. STRĂTILĂ, D. VOICULESCU and L. ZSIDÓ, Sur les produits croisés. *C.R. Acad. Sci. Paris* **282** (1976) 779–782.

- [2028] S. STRĂTILĂ, D. VOICULESCU and L. ZSIDÓ, On crossed products, to appear.
- [2029] S. TAKAHASI, On Urysohn's lemma and division of the set of pure states, *Bull. Fac. Sci. Ibaraki Univ.* **7** (1975) 61–66.
- [2030] S. TAKAHASI, A simple proof of the Stone–Weierstrass theorem for CCR-algebras with Hausdorff spectrum, *Math. Scand.* **38** (1976) 304–306.
- [2031] H. TAKEHANA, An automorphism on tensor products of operator algebras, *Math. Japon.* **20** (1975) 99–100.
- [2032] H. TAKEMOTO, On the weakly continuous constant field of Hilbert space and its application to the reduction theory of Von Neumann algebra, *Tôhoku Math. J.* **28** (1976) 479–496.
- [2033] D. C. TAYLOR, The strong bidual of $\Gamma(K)$, to appear.
- [2034] S. TELEMAN, On reduction theory, *Rev. Roumaine Math. Pures Appl.* **21** (1976) 465–486.
- [2035] F. J. THAYER, Obstructions to lifting *-morphisms into the Calkin algebra, *Illinois J. Math.* **20** (1976) 322–328.
- [2036] J. TOMIYAMA and K. YABUTA, Toeplitz operators for uniform algebras, to appear.
- [2037] J. VARELA, Fields of automorphisms and derivations of C^* -algebras, *Pacific J. Math.* **59** (1975) 277–294.
- [2038] D. VOICULESCU, A non-commutative Weyl–Von Neumann theorem, *Rev. Roumaine Math. Pures Appl.* **21** (1976) 97–117.
- [2039] S. P. WANG, On algebras of operators of finite rank, to appear.
- [2040] S. WASSERMANN, The slice map problem for C^* -algebras, *Proc. London Math. Soc.* **32** (1976) 537–559.
- [2041] S. WASSERMANN, On tensor products of certain group C^* -algebras, *J. Functional Anal.* **23** (1976) 239–254.
- [2042] J. P. WILLIAMS, Diagonalizable normal operators, *Proc. Amer. Math. Soc.* **54** (1976) 106–108.
- [2043] P. K. WONG, A note on annihilator and complemented Banach algebras, *J. Austral. Math. Soc.* **18** (1974) 474–481.
- [2044] S. L. WORONOWICZ, Nonextendible positive maps, *Commun. Math. Phys.* **51** (1976) 243–282.
- [2045] J. D. M. WRIGHT, On semifinite AW*-algebras, *Math. Proc. Camb. Phil. Soc.* **79** (1975) 443–445.
- [2046] J. D. M. WRIGHT, Wild AW*-factors and Kaplansky–Richart algebras, *J. London Math. Soc.* **13** (1976) 83–89.
- [2047] J. D. M. WRIGHT, On Von Neumann algebras whose pure states are separable, *J. London Math. Soc.* **12** (1976) 385–388.
- [2048] J. D. M. WRIGHT, Regular σ -completions of C^* -algebras, *J. London Math. Soc.* **12** (1976) 299–309.
- [2049] J. D. M. WRIGHT, On AW*-algebras of finite type, *J. London Math. Soc.* **12** (1976) 431–439.
- [2050] T. YOSHINO, Hyponormal operators in Von Neumann algebras, *Tôhoku Math. J.* **28** (1976) 129–134.
- [2051] L. ZSIDÓ, Topological decompositions of W^* -algebras, I-II (in Romanian) *Stud. Cerc. Math.* **25** (1973) 859–945 and 1037–1112.
- [2052] V. A. ŽUK and G. I. KAC, Algebras with canonical generators and the structure of C^* -algebras of metabelian Lie groups (in Russian) *Dokl. Acad. Nauk SSSR* **229** (1976) 1313–1316.