

GENERAL INDEX

1935-1944

[Throughout this Index, bold face numerals are used to denote the volume number; light face numerals denote pages.]

I. AUTHORS

- Abramowitz, M. *Note on the computation of the differences of the $\text{Si}(x)$, $\text{Ci}(x)$, $\text{Ei}(x)$ and $-\text{Ei}(-x)$ functions*, **46**, 332.
- Adams, C. R., and Morse, A. P. *Random sampling in the evaluation of a Lebesgue integral*, **45**, 442.
- Adams, H. S. *On the normal rational n -ic*, **42**, 441.
- Agnew, R. P. *Products of methods of summability*, **42**, 547.
- *On the existence of linear functionals defined over linear spaces*, **43**, 868.
- *Properties of generalized definitions of limit*, **45**, 689.
- *On translations of functions and sets*, **46**, 525.
- *On rearrangements of series*, **46**, 797.
- *Summability of subsequences*, **50**, 596.
- See Reviews, under Bowman, Heatley, Shohat.
- Agnew, R. P., and Kac, M. *Translated functions and statistical independence*, **47**, 148.
- Alaoglu, L., and Erdős, P. *A conjecture in elementary number theory*, **50**, 881.
- Albert, A. A. *A note on matrices defining total real fields*, **43**, 242.
- *p -algebras over a field generated by one indeterminate*, **43**, 733.
- *A quadratic form problem in the calculus of variations*, **44**, 250.
- *Non-cyclic algebras with pure maximal subfields*, **44**, 576.
- *A note on normal division algebras of prime degree*, **44**, 649.
- *On ordered algebras*, **46**, 521.
- *The radical of a non-associative algebra*, **48**, 891.
- *Two element generation of a separable algebra*, **50**, 786.
- See Reviews, under Littlewood.
- Albert, G. E. *A note on quasi-metric spaces*, **47**, 479.
- Albert, G. E., and Miller, L. H. *Equiconvergence theorems for orthonormal polynomials*, **50**, 358.
- Allen, E. S. See Reviews, under Reichenbach, Woodger.
- Allendoerfer, C. B. *Einstein spaces of class one*, **43**, 265.
- Anderson, N. L., and Ingold, L. *Normals to a space V_n in hyperspace*, **42**, 429.
- Archibald, R. C. See Reviews, under Smith, D. E.
- Arnold, B. H. *Decompositions of a T_1 space*, **49**, 768.
- Aronszajn, N. *Quelques remarques sur les relations entre les notions d'écart régulier et de distance*, **44**, 653.
- Aucoin, A. A. *Diophantine equations of degree n* , **46**, 334.
- *Homogeneous and nonhomogeneous Diophantine equations*, **48**, 933.
- Aucoin, A. A., and Parker, W. V. *Diophantine equations whose members are homogeneous*, **45**, 330.
- Ayres, W. L. *A note on the definition of arc-sets*, **46**, 794.
- *A new proof of the cyclic connectivity theorem*, **48**, 627.
- Baer, R. *Dualism in abelian groups*, **43**, 121.
- *Equivalence of algebraic extensions*, **43**, 432.
- *The applicability of lattice theory to group theory*, **44**, 817.
- *Abelian groups that are direct summands of every containing abelian group*, **46**, 800.
- *Inverses and zero-divisors*, **48**, 630.

- *Radical extensions and crossed characters*, **49**, 701.
- *The higher commutator subgroups of a group*, **50**, 143.
- *Groups without proper isomorphic quotient groups*, **50**, 267.
- See Reviews, under Albert.
- Bailey, R. P. *On the convergence of sequences of linear operations*, **49**, 63.
- Ballantine, J. P. *A new proof of the equivalence of E. H. Moore*, **41**, 853.
- Bardell, R. H. *The inequalities of Morse when the maximum type is at most three*, **46**, 242.
- Barnard, R. W., and Goldstine, H. H. *The modular space determined by a positive function*, **48**, 946.
- Bartels, R. C. F., and Churchill, R. V. *Resolution of boundary problems by the use of a generalized convolution*, **48**, 276.
- Basoco, M. A. *Note on the greatest integer function*, **42**, 720.
- *On the Fourier developments of a certain class of theta quotients*, **49**, 299.
- *On certain arithmetical functions due to G. Humbert*, **50**, 547.
- See Reviews, under Nicolesco.
- Basye, R. E. *Concerning two internal properties of plane continua*, **41**, 670.
- Bateman, H. *A partial differential equation connected with the functions of the parabolic cylinder*, **41**, 884.
- *The solution of harmonic equations by means of definite integrals*, **46**, 538.
- *Some simple differential difference equations and the related functions*, **49**, 494.
- *Some integral relations*, **50**, 745.
- See Reviews, under Carslaw, Hopf, E., Mattioli.
- Baten, W. D. See Reviews, under Darmois, Hostelet, de Possel.
- Beaumont, R. A. *Projections of the prime-power abelian group of order p^m and type $(m-1, 1)$* , **48**, 866.
- Beckenbach, E. F. *Generalized convex functions*, **43**, 363.
- *A relative of the lemma of Schwarz*, **44**, 698.
- *Vector analogues of Morera's theorem*, **48**, 937.
- *The stronger form of Cauchy's integral theorem*, **49**, 615.
- See Reade, M.
- Becker, M. F., and MacLane, S. *The minimum number of generators for inseparable algebraic extensions*, **46**, 182.
- Beeger, N. G. W. H. *On some new congruences in the theory of Bernoulli's numbers*, **44**, 684.
- Begle, E. G. *Intersections of contractible polyhedra*, **49**, 386.
- See Reviews, under Lefschetz.
- Bell, E. T. *Ternary arithmetical identities*, **41**, 85.
- *The form $wx+xy+yz+zu$* , **42**, 377.
- *Arithmetical consequences of a trigonometric identity*, **42**, 557.
- *Functions of coprime divisors of integers*, **43**, 818.
- *A duality for certain difference equations*, **45**, 145.
- *Note on a certain type of Diophantine system*, **47**, 155.
- *Note on a conjecture due to Euler*, **49**, 393.
- See Reviews, under Courant, Dickson, Hardy, Liebmann, Zassenhaus.
- Bell, P. O. *Tetrahedra associated with canonical expansions for a curved surface*, **41**, 353.
- *A characterization of the group of homographic transformations*, **47**, 488.
- *The R_λ -correspondent of the tangent to an arbitrary curve of a nonruled surface*, **47**, 509.
- *New systems of hypergeodesics defined on a surface*, **49**, 575.
- See Reviews, under Lane.
- Bellman, R. *Random summability and Fourier series*, **49**, 732.
- *Lambert summability of orthogonal series*, **49**, 932.
- *Almost orthogonal series*, **50**, 517.
- *A note on an inequality of E. Schmidt*, **50**, 734.
- *A note on a theorem of Hardy on Fourier constants*, **50**, 741.
- Bennett, A. A. See Reviews, under Behnke, Osgood, Roth, E.

- Bergman, S. *On a generalized Green's function and certain of its applications*, **47**, 651.
- *Residue theorems of harmonic functions of three variables*, **49**, 163.
- *The determination of some properties of a function satisfying a partial differential equation from its series development*, **50**, 535.
- Bewley, L. V. *Traveling waves on electric power systems*, **48**, 527.
- Birkhoff, G. *Lie groups simply isomorphic with no linear group*, **42**, 883.
- *Lattices and their applications*, **44**, 793.
- *Neutral elements in general lattices*, **46**, 702.
- *The radical of a group with operators*, **49**, 751.
- *Subdirect unions in universal algebra*, **50**, 764.
- See Reviews, under Rose, C. E., Volterra.
- Bissinger, B. H. *A generalization of continued fractions*, **50**, 868.
- Black, A. *Further non-involutorial Cremona space transformations contained in a special linear complex*, **41**, 508.
- *A series of involutorial Cremona space transformations defined by a pencil of ruled cubic surfaces*, **42**, 754.
- See Reviews, under Enzyklopädie, Tricomi.
- Blanch, G. See Lowan, A. N.
- Bleick, W. E. See Reviews, under Baker, B. B.
- Blumberg, H. *Remarks on the inductive principle and related existence theorems*, **42**, 852.
- Blumenthal, L. M. *Note on a theorem characterizing geodesic arcs in complete, convex metric spaces*, **43**, 717.
- *A new concept in distance geometry with applications to spherical subsets*, **47**, 435.
- *Some imbedding theorems and characterization problems of distance geometry*, **49**, 321.
- *Distance geometry notes*, **50**, 235.
- See Reviews, under Coxeter.
- Blumenthal, L. M., and Wahlin, G. E. *On the spherical surface of smallest radius enclosing a bounded subset of n -dimensional euclidean space*, **47**, 771.
- Boas, R. P. *A theorem on analytic functions of a real variable*, **41**, 233.
- *The Stieltjes moment problem for functions of bounded variation*, **45**, 399.
- *Some uniformly convex spaces*, **46**, 304.
- *A note on functions of exponential type*, **47**, 750.
- *Generalized Laplace integrals*, **48**, 286.
- *Entire functions of exponential type*, **48**, 839.
- See Reviews, under Levinson, N.
- Boas, R. P., and Tukey, J. W. *A note on linear functionals*, **44**, 523; **46**, 566.
- Bochner, S. See Reviews, under Thomas, J. M.
- Boggs, H., and Rainich, G. Y. *Note on group postulates*, **43**, 81.
- Bohnenblust, H. F. See Reviews, under Bernstein.
- Bohnenblust, H. F., and Sobczyk, A. *Extensions of functionals on complex linear spaces*, **44**, 91.
- Botts, T. *On convex sets in linear normed spaces*, **48**, 150.
- Bourgin, D. G. *Closure of products of functions*, **46**, 807, 970.
- See Reviews, under Hamilton.
- Bourgin, D. G., and Duffin, R. J. *The Dirichlet problem for the vibrating string equation*, **45**, 851.
- *The Laplace Heaviside method for boundary value problems*, **45**, 859.
- Brahana, H. R. See Reviews, under Brauer.
- Brand, L. *The method of moment distribution for the analysis of continuous structures*, **41**, 901.
- Brauer, A. *On addition chains*, **45**, 736.
- *On a property of k consecutive integers*, **47**, 328.
- *On the non-existence of odd perfect numbers of form $p^\alpha q_1^2 q_2^2 \cdots q_{t-1}^2 q_t^4$* , **49**, 712, 937.
- Brauer, R. *A characterization of null systems in projective space*, **42**, 247.
- *On the nilpotency of the radical of a ring*, **48**, 752.

- See Reviews, under Hancock, Mur-naghan, Ore.
- Brenner, J. *The decomposition theorem for abelian groups*, **47**, 116.
- Brinkmann, H. W. See Reviews, under Albert.
- Bristow, L. *Expansion of functions in solutions of functional equations*, **44**, 874.
- Brolyer, C. R. See Reviews, under O'Connor.
- Brouwer, D. See Reviews, under Bauschinger.
- Brown, A. B. *On the locus of an analytic equation in the real plane*, **41**, 881.
- Brown, D. M. *Arithmetics of rational generalized quaternion algebras*, **46**, 899.
- Brown, H. K. *Resolution of temperature problems by the use of finite Fourier transformations*, **50**, 376.
- Browne, E. T. *On the matrix equations $P(X) = A$ and $P(A, X) = 0$* , **41**, 737.
- Bruck, R. H. *Generalized Fischer groups and algebras*, **48**, 618; **49**, 461.
- *Simple quasigroups*, **50**, 769.
- Bruck, R. H., and Wade, T. L. *The number of independent components of the tensors of given symmetry type*, **49**, 470.
- Buchanan, D. See Reviews, under Brown.
- Buchanan, H. E. See Reviews, under Smart, Whittaker.
- Buck, R. C. *A note on subsequences*, **49**, 898.
- *Limit points of subsequences*, **50**, 395.
- Buck, R. C., and Pollard, H. *Convergence and summability properties of subsequences*, **49**, 924.
- Busemann, H. See Reviews, under de Donder, Weyl, H.
- Bush, V. *Instrumental analysis*, **42**, 649.
- Cairns, S. S. *Triangulation of the manifold of class one*, **41**, 549.
- See Reviews, under Weil.
- Cameron, R. H., and Martin, W. T. *An unsymmetric Fubini theorem*, **47**, 121.
- Camp, B. H. See Reviews, under Levy.
- Campbell, A. D. *Set-coordinates for lattices*, **49**, 395.
- See Reviews, under Levinson, H. C.
- Campbell, J. W. *On the principles of Hamilton and Cartan*, **42**, 82, 685.
- See Reviews, under Julia, Synge.
- Capelli, P. F. *Sur le nombre complexe binaire*, **47**, 585.
- Carathéodory, C. *A generalization of Schwarz's lemma*, **43**, 231.
- *The most general transformations of plane regions which transform circles into circles*, **43**, 573.
- Carlitz, L. *A theorem on higher congruences*, **41**, 844.
- *On certain higher congruences*, **41**, 907.
- *On certain arithmetic functions of several arguments*, **43**, 109.
- *An arithmetic function*, **43**, 271.
- *Some formulas for factorable polynomials in several indeterminates*, **43**, 299.
- *Some topics in the arithmetic of polynomials*, **48**, 679.
- Carmichael, R. D. *Linear differential equations of infinite order*, **42**, 193.
- See Reviews, under Edel.
- Carpenter, A. F. *Involutory systems of curves on ruled surfaces*, **45**, 107.
- Carroll-Rusk, E. See Rusk, E. C.
- Carruth, P. W. *Arithmetic of ordinals with applications to the theory of ordered abelian groups*, **48**, 262.
- Carshaw, H. S., and Jaeger, J. C. *On Green's functions in the theory of heat conduction*, **45**, 407.
- Cell, J. W. *Circles in which $|F(x)|$ has a singularity or assumes preassigned values*, **43**, 359.
- Certaine, J. *The ternary operation $(abc) = ab^{-1}c$ of a group*, **49**, 869.
- Chambers, L. H. *On (2, 2) planar correspondences*, **42**, 382.
- Chang, S. C. *On the quadric of Lie*, **49**, 257.
- *On the surfaces of coincidence*, **49**, 900.
- *On the quadrics associated with a point of a surface*, **50**, 926.
- Chernick, J. *On Fermat's simple theorem*, **45**, 269.
- Chevalley, C. *On the composition of fields*, **48**, 482.
- *On the notion of the ring of quotients of a prime ideal*, **50**, 93.
- Chevalley, C., and Frink, O. *Bicompleteness of cartesian products*, **47**, 612.
- Chung, K. L. *Note on a theorem on quadratic residues*, **47**, 514.

- Church, A. *The constructive second number class*, **44**, 224.
- *On the concept of a random sequence*, **46**, 130.
- See Reviews, under Carnap, Dingler, Heyting, Huntington, Quine.
- Churchill, R. V. *Expansions in series of non-orthogonal functions*, **48**, 143.
- See Bartels, R. C. F.
- See Reviews, under Doetsch, National Research Council.
- Ciocco, A. See Reviews, under Rashevsky.
- Civin, P. See Roberts, J. H.
- Clark, C. E. *On the existence of electrical networks*, **47**, 769.
- *On 3-dimensional manifolds*, **48**, 437.
- *On the join of two complexes*, **49**, 126.
- *The Betti groups of the product of two normal spaces*, **49**, 307.
- *The Betti groups of symmetric and cyclic products*, **49**, 450.
- *The symmetric join of a complex*, **50**, 81.
- Clarkson, J. M. *An involutorial line transformation determined by a congruence of twisted cubic curves*, **43**, 142.
- Clements, G. R. See Reviews, under British Association for the Advancement of Science.
- Clippinger, R. F. *Matrix products of matrix powers*, **50**, 368.
- Coble, A. B. *The geometry of the Weddle manifold W_p* , **41**, 209.
- *Cremona transformations with an invariant rational sextic*, **45**, 285.
- Coburn, N. V_m in S_n with planar points ($m \geq 3$), **45**, 774.
- *Unitary spaces with corresponding geodesics*, **47**, 901.
- See Reviews, under Craig.
- Cohen, A. See Reviews, under Kowalewski.
- Cohen, L. W. *On topological completeness*, **46**, 706.
- *On linear equations in Hilbert space*, **50**, 729.
- Cohn, R. *On the analogue for differential equations of the Hilbert-Netto theorem*, **47**, 268.
- *Some exceptional values of the limit of the ratio of arc to chord*, **47**, 746.
- Coleman, R. *Conformal geometry of one-parameter families of curves*, **48**, 94.
- Cooley, H. R. *Remarks on the initial value problem of the general partial differential equation of the first order*, **43**, 862.
- Copeland, A. H. *A mixture theorem for non-conservative mechanical systems*, **42**, 895.
- *A new definition of a Stieltjes integral*, **43**, 581.
- See Reviews, under *Colloque consacré à la théorie des probabilités*, Mineur.
- Coral, M. *A generalization of a property of harmonic functions*, **44**, 587.
- Courant, R. *Variational methods for the solution of problems of equilibrium and vibrations*, **49**, 1.
- Court, N. A. *On the theory of the tetrahedron*, **48**, 583.
- See Reviews, under Campbell.
- Cowling, V. F., Leighton, W., and Thron, W. J. *Twin convergence regions for continued fractions*, **50**, 351.
- Coxeter, H. S. M. *A method for proving certain abstract groups to be infinite*, **46**, 246.
- Cowgill, A. P. *On the summability of a certain class of series of Jacobi polynomials*, **41**, 541, 752.
- Craig, A. T. *A certain mean-value problem in statistics*, **42**, 670.
- Craig, H. V. See Reviews, under Forder.
- Cramlet, C. M. *Note on integrability conditions of implicit differential equations*, **44**, 107.
- *Differential invariant theory of alternating tensors*, **44**, 110.
- Crathorne, A. R. See Reviews, under Tschuprow.
- Creedy, F. See Reviews, under Russell.
- Cunningham, A. B. *Non-involutorial space transformations associated with a $Q_{1,2}$ congruence*, **47**, 309.
- Curry, H. B. *A note on the associative law in logical algebras*, **42**, 523.
- *A note on the reduction of Gentzen's calculus LJ*, **45**, 288.
- *Some aspects of the problem of mathematical rigor*, **47**, 221.
- See Reviews, under Bennett, Tarski.
- Curtiss, J. H. *A note on the degree of polynomial approximation*, **42**, 873; **43**, 144.

- *A note on the Cesàro method of summation*, **43**, 703.
- See Reviews, under Rider, Sheppard.
- Cutler, E. H. See Reviews, under Bückner.
- Daum, J. A. *On certain basic series*, **47**, 781.
- *The basic analogue of Kummer's theorem*, **48**, 711.
- Davids, N. See Lowan, A. N.
- Davis, H. T. *An extension to polygamma functions of a theorem of Gauss*, **41**, 243.
- See Reviews, under Guillaume, G., Tinbergen.
- Day, M. M. *Regularity of function-to-function transformations*, **45**, 296.
- *The spaces L^p with $0 < p < 1$* , **46**, 816.
- *Reflexive Banach spaces not isomorphic to uniformly convex spaces*, **47**, 313.
- *Some more uniformly convex spaces*, **47**, 504.
- *Uniform convexity*. III, **49**, 745.
- *Cluster points of subsequences*, **50**, 398.
- DeCicco, J. *The analogue of the Moebius group of circular transformations in the Kasner plane*, **45**, 936.
- *New proofs of the theorems of Beltrami and Kasner on linear families*, **49**, 407.
- *Extensions of certain dynamical theorems of Halphen and Kasner*, **49**, 736.
- See Kasner, E.
- Dehn, M. See Reviews, under Lowinger.
- Derksen, Y. B. D. *Note on a remark of D. J. Struik on correlation coefficients*, **41**, 394.
- Derry, D. *On finite abelian p -groups*, **45**, 874.
- Dickson, L. E. *A generalization of Waring's problem*, **42**, 525.
- *The Waring problem and its generalizations*, **42**, 833.
- *All integers except 23 and 239 are sums of eight cubes*, **45**, 588.
- Dilworth, R. P. *Abstract residuation over lattices*, **44**, 262.
- *Note on complemented modular lattices*, **46**, 74.
- Dimsdale, B. *Approximation of continuous functions by means of lacunary polynomials*, **48**, 608.
- Dines, L. L. *Convex extension and linear inequalities*, **42**, 353.
- *On the mapping of quadratic forms*, **47**, 494.
- *On the mapping of n quadratic forms*, **48**, 467.
- *On linear combinations of quadratic forms*, **49**, 388.
- See Moskovitz, D.
- Dix, C. H. *Mechanical invariants of the sweeping-out process*, **41**, 92.
- Dodd, E. L. See Reviews, under Böhm, Borel, Jeffreys, v. Mises, Van Deuren.
- Doob, J. L. See Reviews, under Bachelier, Borel, Lévy, v. Mises, Tornier, Ville, Volterra.
- Douglas, J. *On linear polygon transformations*, **46**, 551.
- Dowker, C. H. *On minimum circumscribed polygons*, **50**, 120.
- Dresch, F. W. *Index numbers and the general economic equilibrium*, **44**, 134.
- Dresden, A. *On the iteration of linear homogeneous transformations*, **48**, 577, 949.
- See Reviews, under American Mathematical Society, *Contributions to the calculus of variations*, Morse.
- Dressel, F. G. *A generalization of harmonic functionals*, **41**, 381.
- *A note on Young-Stieltjes integrals*, **43**, 377.
- *A note on Fredholm-Stieltjes integral equations*, **44**, 434.
- *A Stieltjes integral equation*, **47**, 79.
- Dubisch, R. *Non-cyclic algebras of degree four and exponent two with pure maximal subfields*, **47**, 131.
- Duffin, R. J. See Bourgin, D. G.; Schaeffer, A. C.
- Duffin, R. J., and Eachus, J. J. *Some notes on an expansion theorem of Paley and Wiener*, **48**, 850.
- Duffin, R. J., and Schaeffer, A. C. *Some inequalities concerning functions of exponential type*, **43**, 554.
- *Some properties of functions of exponential type*, **44**, 236.
- *On the extension of a functional inequality of S. Bernstein to non-analytic functions*, **46**, 356.

- Dunford, N. *On a theorem of Plessner*, **41**, 356.
 — *Spectral theory*, **49**, 637.
- Dushnik, B., and Miller, E. W. *Concerning similarity transformations of linearly ordered sets*, **46**, 322.
- Dwyer, W. A. *Certain incomplete numerical functions*, **45**, 101.
- Dye, L. A. *The number of trisecants of a space curve of order m which meet an i -fold secant*, **41**, 109.
 — *Space involutorial transformations of the Geiser and Bertini types*, **41**, 515.
 — *Involutorial space transformations associated with a rational ruled surface*, **42**, 535.
 — *A transformation associated with the trisecants of a rational twisted quintic curve*, **43**, 719.
 — See Reviews, under Enzyklopädie.
- Dyer-Bennet, J. *A note on finite regular rings*, **47**, 784.
- Eachus, J. J. See Duffin, R. J.
- Eaton, J. E. *A formula for the coefficients of the cyclotomic polynomial*, **45**, 178.
- Eckart, C., and Young, G. *A principal axis transformation for non-hermitian matrices*, **45**, 118.
- Eilenberg, S. *An invariance theorem for subsets of S^n* , **47**, 73.
 — *On spherical cycles*, **47**, 432.
- Eilenberg, S., and Miller, E. W. *Zero-dimensional families of sets*, **47**, 921.
- Eilenberg, S., and Niven, I. *The "fundamental theorem of algebra" for quaternions*, **50**, 246.
- Einstein, A. *Elementary derivation of the equivalence of mass and energy*, **41**, 223.
- Elder, J. D. *Errata in the Lehmer factor stencils*, **43**, 253.
- Emch, A. *On certain configurations of points in space and linear systems of surfaces with these as base points*, **43**, 261.
 — *New point configurations and algebraic curves connected with them*, **45**, 731.
 — See Reviews, under Enriques, Juel, Liebmann, Müller, Schilling, Weiss.
- Emmons, H. See Reviews, under Stumpff.
- Engstrom, H. T. *On fundamental systems of symmetric functions*, **45**, 404.
 — See Reviews, under British Association for the Advancement of Science, Iyanaga, Ore.
- Erdős, P. *Note on some elementary properties of polynomials*, **46**, 954.
 — *Some remarks on connected sets*, **50**, 442.
 — See Alaoglu, L.
- Erdős, P., and Grünwald, G. *Note on an elementary problem of interpolation*, **44**, 515.
- Erdős, P., and Kakutani, S. *On non-denumerable graphs*, **49**, 457.
- Erdős, P., and Lengyel, B. A. *On fundamental functions of Lagrangean interpolation*, **44**, 828.
- Ettlinger, M. G. *On irreducible continuous curves*, **49**, 569.
- Evans, G. C. *Modern methods of analysis in potential theory*, **43**, 481.
 — *Continua of minimum capacity*, **47**, 717.
- Everett, C. J. *Rings as groups with operators*, **45**, 274.
 — *Vector spaces over rings*, **48**, 312.
- Ewing, G. M. *Sufficient conditions for a non-regular problem in the calculus of variations*, **43**, 371.
- Farnell, A. B. *Limits for the characteristic roots of a matrix*, **50**, 789.
- Farrell, O. J. *On approximation by polynomials to a function analytic in a simply connected region*, **41**, 707.
- Federer, H., and Morse, A. P. *Some properties of measurable functions*, **49**, 270.
- Fekete, M. *Proof of three propositions of Paley*, **41**, 138.
- Feld, J. M. *On certain groups of birational contact transformations*, **44**, 529.
 — *Differential and integral invariants of plane curves and horn angles*, **47**, 318.
 — *The geometry of whirls and whirl-motions in space*, **47**, 927.
 — *Whirl-similitudes, euclidean kinematics, and non-euclidean geometry*, **48**, 783.
 — *On a representation in space of groups of circle and turbine transformations in the plane*, **50**, 930.
- Feldheim, E. *Un problème de la théorie des*

- nombres rattaché aux polynômes de Tschébycheff, **44**, 836.
- Fialkow, A. *The Riemannian curvature of a hypersurface*, **44**, 253.
- *Totally geodesic Einstein spaces*, **45**, 423; **48**, 167.
- Ficken, F. A. See Reviews, under Busemann, Hlavatý, Piccard, *Reports of a Mathematical Colloquium*.
- Fine, N. J., and Niven, I. *The probability that a determinant be congruent to a (mod m)*, **50**, 89.
- Flexner, W. W. *Simplicial intersection chains for an abstract complex*, **46**, 523.
- See Reviews, under *Festschrift Rudolph Fueter*, Lefschetz, Slichter.
- Flood, M. M. *The resultant matrix of two polynomials*, **43**, 724.
- Folley, K. W. *A property of a simply ordered set*, **46**, 940.
- Forsythe, G. E., and Schaeffer, A. C., *Remarks on regularity of methods of summation*, **48**, 863.
- Fort, T. *The calculus of variations applied to Nörlund's sum*, **43**, 885.
- *The Euler-Maclaurin summation formula*, **45**, 748.
- *Generalizations of the Bernoulli polynomials and numbers and corresponding summation formulas*, **48**, 567, 949.
- See Reviews, under Archibald.
- Foster, M. *Congruences with a common middle envelope*, **42**, 74.
- *A theorem on mean ruled surfaces*, **43**, 423.
- *Note on autopolar curves*, **47**, 247.
- Foster, R. M. *A simplified set of postulates for a group*, **42**, 846.
- Fox, R. H. *A characterization of absolute neighborhood retracts*, **48**, 271.
- *On fibre spaces. I*, **49**, 555.
- *On fibre spaces. II*, **49**, 733.
- Frame, J. S. *A symmetric representation of the twenty-seven lines on a cubic surface by lines in a finite geometry*, **44**, 658.
- *The double cosets of a finite group*, **47**, 458.
- *Double coset matrices and group characters*, **49**, 81.
- See Reviews, under Ball.
- Frank, N. H. See Reviews, under Fowler.
- Franklin, P. *Derivatives of higher order as single limits*, **41**, 573.
- See Reviews, under Karelitz, MacMillan.
- Friedman, B. *A note on convex functions*, **46**, 473.
- *Fourier coefficients of bounded functions*, **47**, 84.
- Frink, A. H. *Distance functions and the metrization problem*, **43**, 133.
- Frink, A. H., and Frink, O. *Polygonal variations*, **44**, 539.
- Frink, O. *Differentiation of sequences*, **41**, 553.
- *Representations of Boolean algebras*, **47**, 755.
- See Chevalley, C.; Frink, A. H.
- See Reviews, under Church.
- Fubini, G. *On the asymptotic lines of a ruled surface*, **47**, 448.
- Fuller, F. B. See Ward, M.
- Fuller, G. *On the invariant character of a system of partial differential equations*, **42**, 107.
- Gage, W. H. *An arithmetical identity for the form $ab - c^2$* , **48**, 898.
- Garabedian, H. L. *A convergence factor theorem in the theory of summable series*, **41**, 583.
- *A sufficient condition for Cesàro summability*, **45**, 592.
- *Theorems associated with the Riesz and the Dirichlet's series methods of summation*, **45**, 891.
- *A new formula for the Bernoulli numbers*, **46**, 531.
- *Hausdorff methods of summation which include all of the Cesàro methods*, **48**, 124.
- García, M. *Component orbits under pointwise recurrent homeomorphisms*, **50**, 260.
- Garnea, E. G. *On a new application of Jacobi polynomials in connection with the mean value theorem*, **49**, 541.
- Garver, R. J. *Postulates for special types of groups*, **42**, 125.
- Gehman, H. M. *On extending a homeomorphism between two subsets of spheres*, **42**, 79.
- See Reviews, under Hausdorff.

- Gelbart, A. See Reviews, under Bergman.
- Gentry, F. C. *Cremona involutions determined by a pencil of surfaces*, **45**, 614.
- Geronimus, J. *On some extremal properties of trigonometric polynomials with real roots*, **41**, 924.
- *On some quadrature formulas and on allied theorems on trigonometric polynomials*, **42**, 129.
- *The generalization of a lemma of M. S. Kakeya*, **47**, 93.
- *On Gauss' and Tchebycheff's quadrature formulas*, **50**, 217.
- Getchell, B. C. *On the equivalence of two methods of defining Stieltjes integrals*, **41**, 413.
- Gill, B. P. See Reviews, under Weber.
- Givens, W. *Factorization and signatures of Lorentz matrices*, **46**, 81.
- See Reviews, under Cartan, Kron.
- Glass, T. F., and Leighton, W. *On the convergence of a continued fraction*, **49**, 133.
- Gleyzal, A. *On the equation $dy/dx=f(x, y)$* , **47**, 254.
- Goffman, C. *On linear spaces which may be rendered complete normed metric spaces*, **49**, 611.
- Goheen, H. *Proof of a theorem of Hall*, **47**, 143.
- Goldstine, H. H. *Bilinear functionals on the space of bounded, measurable functions*, **43**, 528.
- *A multiplier rule in abstract spaces*, **44**, 388.
- *Minimum problems in the functional calculus*, **46**, 142.
- *Linear functionals and integrals in abstract spaces*, **47**, 615.
- See Barnard, R. W.
- Golomb, M. *Zeros and poles of functions defined by Taylor series*, **49**, 581.
- See Reviews, under Roever.
- Gorn, S. *On incidence geometry*, **46**, 158.
- Gottschalk, W. H. *Powers of homeomorphisms with almost periodic properties*, **50**, 222.
- *Orbit-closure decompositions and almost periodic properties*, **50**, 915.
- Gowurin, M. K. *On sequences of indefinite integrals*, **42**, 930.
- Grant, H. S. *A generalization of a cyclo-
tomic formula*, **42**, 550.
- Graustein, W. C. See Reviews, under Schouten.
- Graustein, W. C., and Jackson, S. B. *The four-vertex theorem for a certain type of space curves*, **43**, 737.
- Graves, L. M. *Topics in the functional calculus*, **41**, 641; **42**, 381.
- Green, J. W. *A property of harmonic functions in three variables*, **44**, 548.
- Greenberg, H. J., and Wall, H. S. *Hausdorff means included between $(C, 0)$ and $(C, 1)$* , **48**, 774.
- Greenwood, J. A. *Associated algebraic and partial differential equations*, **42**, 222.
- See Reviews, under Borel, Fréchet.
- Greville, T. N. E. See Reviews, under Boehm.
- Griffiths, L. W. *A note on representation by polygonal numbers*, **48**, 122.
- Grove, V. G. *A tensor analysis for a V_k in a projective space S_n* , **45**, 385.
- *The transformation of Čech*, **50**, 231.
- See Reviews, under Lane.
- Grünwald, G. *Note on interpolation*, **47**, 257.
- *On a convergence theorem for the Lagrange interpolation polynomials*, **47**, 271.
- See Erdős, P.
- Gunderson, N. G. *Some theorems on the Euler ϕ -function*, **49**, 278.
- Hadamard, J. *Two works on iteration and related questions*, **50**, 67.
- *A known problem of geometry and its cases of indetermination*, **50**, 520.
- Hagen, B. L. See Rasmusen, R. B.
- Halbert, K. W. See Reviews, under Sasuly.
- Hailperin, T. *On contiguous point spaces*, **45**, 172.
- Hall, D. W. *An example in the theory of pointwise periodic homeomorphisms*, **45**, 882.
- *A note on primitive skew curves*, **49**, 935.
- *On rotation groups of plane continuous curves under pointwise periodic homeomorphisms*, **50**, 715.
- Hall, D. W., and Puckett, W. T. *Conditions for the continuity of arc-preserving transformations*, **47**, 468.

- Hall, D. W., and Wallace, A. D. *Some invariants under monotone transformations*, 45, 294.
- Hall, M. *Divisors of second-order sequences*, 43, 78.
- *Indices in cubic fields*, 43, 104.
- *A problem in partitions*, 47, 804.
- See Reviews, under Speiser.
- Hall, N. A. *A new class of functions of two variables involving Bessel functions of half an odd integer*, 42, 695.
- *A formal expansion theory for functions of one or more variables*, 46, 824.
- Halmos, P. R. *Note on almost-universal forms*, 44, 141.
- *On automorphisms of compact groups*, 49, 619.
- *Comment on the real line*, 50, 877.
- See Reviews, under Murray.
- Hamilton, H. J. *On transformations of double series*, 42, 275.
- *Some theorems on subsequences*, 44, 298.
- Hamilton, O. H. *Concerning continua in a separable space which do not cross*, 45, 114.
- Hardy, G. H., and Levinson, N. *Inequalities satisfied by a certain definite integral*, 43, 709.
- Harrold, O. G. *Continua of finite degree and certain product sets*, 46, 951.
- *A mapping characterization of Peano spaces*, 48, 561.
- Hazeltine, A. See Reviews, under von Kármán.
- Hazlett, O. C. See Reviews, under Perron.
- Hedge, L. B. *Moment problem for a bounded region*, 47, 282.
- *Transformations of multiple Fourier series*, 49, 262.
- Hedlund, G. A. *The dynamics of geodesic flows*, 45, 241.
- See Reviews, under Eisenhart.
- Heins, A. E. *Note on the equation of heat conduction*, 41, 253.
- *A mixed boundary value problem. Some remarks on a problem of A. Weinstein*, 49, 130.
- See Reviews, under Ertel.
- Heins, M. H. *A note on a theorem of Radó concerning the $(1, m)$ conformal maps of a multiply-connected region into itself*, 47, 128.
- Helmer, O. *The elementary divisor theorem for certain rings without chain condition*, 49, 225.
- Herriot, J. G. *Cesàro summability of ordinary double Dirichlet series*, 46, 920.
- Herschfeld, A. *The equation $2^x - 3^y = d$* , 42, 231.
- Herzberger, M. See Reviews, under Synge.
- Herzog, F. *Uniqueness theorems for rational functions*, 46, 942.
- Hestenes, M. R. *A sufficiency proof for isoperimetric problems in the calculus of variations*, 44, 662.
- *The problem of Bolza in the calculus of variations*, 48, 57, 950.
- See Reviews, under Volterra.
- Hestenes, M. R., and Reid, W. T. *A note on the Weierstrass condition in the calculus of variations*, 45, 471.
- Hewitt, E. *Two notes on measure theory*, 49, 719.
- Hickey, D. M. *A note on the equilibrium point of the Green's function for an annulus*, 41, 389.
- Higgins, T. J. *Note on an integral of Bierens de Haan*, 47, 286.
- Hildebrandt, T. H. *Linear operations on functions of bounded variation*, 44, 75.
- *On unconditional convergence in normed vector spaces*, 46, 959.
- See Reviews, under Hadamard, Lindelöf, Menchoff, Moore, E. H., Rothe, Severi.
- Hill, J. D. *Some theorems on double limits*, 41, 521.
- *A theorem in the theory of summability*, 42, 225.
- *On perfect summability of double sequences*, 46, 327.
- *Some theorems on subseries*, 48, 103.
- *Some properties of summability*. II, 50, 227.
- Hille, E. See Reviews, under Copson, Davis, Nevanlinna, Singh, Vitali, Whittaker, Wiener.
- Hille, E., Offord, A. C., and Tamarkin, J. D. *Some observations on the theory of*

- Fourier transforms*, 41, 427.
- Hille, E., and Szász, O. *On the completeness of Lambert functions*, 42, 411.
- Hille, E., and Szegő, G. *On the complex zeros of the Bessel functions*, 49, 605.
- Hillman, A. P. *A note on differential polynomials*, 49, 711.
- See Lowan, A. N.
- Hoberman, S., and McKinsey, J. C. *A set of postulates for Boolean algebra*, 43, 588.
- Holl, D. L. See Jensen, V. P.
- Hollcroft, T. R. *The web of quadric hypersurfaces in r dimensions*, 41, 97.
- *The web of quadrics*, 42, 937.
- *Branch-point manifolds associated with a linear system of primals*, 43, 379.
- *The existence of algebraic plane curves*, 43, 503.
- *The maximum number of distinct contacts of two algebraic surfaces*, 45, 158.
- *Anomalous plane curve systems associated with singular surfaces*, 46, 252.
- See Reviews, under Baker, H. F., National Research Council, Encyclopædie.
- Hopkins, C. See Reviews, under Schwerdtfeger.
- Horenstein, W. See Lowan, A. N.
- Hsiung, C. C. *Theory of intersection of two plane curves*, 49, 786.
- *An invariant of intersection of two surfaces*, 49, 877.
- *Projective invariants of intersection of certain pairs of surfaces*, 50, 437.
- Hstü, P. L. *On the limit of a sequence of point sets*, 41, 502.
- Hua, L. K. *On the least primitive root of a prime*, 48, 726.
- *On the least solution of Pell's equation*, 48, 731.
- Huff, G. B. *The completion of a theorem of Kantor*, 50, 692.
- Hughes, H. K. *On a theorem of Newsom*, 49, 288.
- *On the asymptotic expansions of entire functions defined by Maclaurin series*, 50, 425.
- Hull, R. *Note on the ideals of cyclic algebras*, 43, 384.
- *A theorem on the unit groups of simple algebras*, 50, 405.
- Hurst, J. W. See Reviews, under Carathéodory.
- Hurwitz, H. *Total regularity of general transformations*, 46, 833.
- Hyers, D. H. *A note on linear topological spaces*, 44, 76.
- Infeld, L. See Reviews, under Bergmann.
- Ingold, L. See Anderson, N. L.
- Ingraham, M. H. *A note on determinants*, 43, 579.
- *On certain equations in matrices whose elements belong to a division algebra*, 44, 117.
- *Rational methods in matrix equations*, 47, 61.
- Ingram, W. H. *Forced oscillations of continuous dynamical systems*, 48, 153.
- Ippen, A. T. See Reviews, under Milne-Thomson.
- Isaacs, R. P. *The finite differences of polygenic functions*, 47, 444.
- Jackson, D. *Polynomial approximation on a curve of the fourth degree*, 43, 388.
- *Note on certain orthogonal polynomials*, 47, 96.
- *Generalization of a theorem of Koros on the bounds of orthonormal polynomials*, 48, 602.
- Jackson, S. B. *Vertices of plane curves*, 50, 564.
- See Graustein, W. C.
- Jacobson, N. *p -algebras of exponent p* , 43, 667.
- *An application of E. H. Moore's determinant of a hermitian matrix*, 45, 745.
- *A note on hermitian forms*, 46, 264.
- *Schur's theorems on commutative matrices*, 50, 431.
- *The equation $x' \equiv xd - dx = b$* , 50, 902.
- See Reviews, under Weyl, H.
- Jaeger, J. C. *The solution of boundary value problems by a double Laplace transformation*, 46, 687.
- *Conduction of heat in regions bounded by planes and cylinders*, 47, 734.
- See Carslaw, H. S.
- James, H. M. *Some applications of the*

- Rayleigh-Ritz method to the theory of the structure of matter, 47, 869.
- James, R. D. *The constants in Waring's problem for odd powers*, 41, 689.
- *Note on formulas for the number of representations of an integer as a sum of $2h$ squares*, 42, 863.
- *On the sieve method of Viggo Brun*, 49, 422.
- See Reviews, under Lehmer, D. H.
- Jeffery, R. L. *The equivalence of sequence integrals and non-absolutely convergent integrals*, 44, 840.
- *Copeland's definition of a Stieltjes integral*, 46, 512.
- *Perron integrals*, 48, 714.
- Jenkins, E. D. *On the composition of quadratic forms*, 41, 719.
- Jennings, S. A. *A note on chain conditions in nilpotent rings and groups*, 50, 759.
- Jensen, V. P., and Holl, D. L. *An application of derivatives of non-analytic functions in plane stress problems*, 43, 256.
- John, F. *A note on the maximum principle for elliptic differential equations*, 44, 268.
- *Discontinuous convex solutions of difference equations*, 47, 275.
- Johnson, M. M. *An extension of a covariant differentiation process*, 46, 269.
- Johnson, R. A. See Reviews, under Barlow.
- Johnson, R. E. *On the equation $\chi\alpha = \gamma\chi + \beta$ over an algebraic division ring*, 50, 202.
- Jones, B. W. *An extension of a theorem of Witt*, 48, 133.
- See Reviews, under Dickson, Robinson.
- Jones, F. B. *A theorem concerning locally peripherally separable spaces*, 41, 437.
- *Concerning normal and completely normal spaces*, 43, 671.
- *Concerning R. L. Moore's Axiom 5*, 44, 689.
- *Concerning the boundary of a complementary domain of a continuous curve*, 45, 428.
- *Concerning certain linear abstract spaces and simple continuous curves*, 45, 623.
- *Almost cyclic elements and simple links of a continuous curve*, 46, 775.
- *Monotonic collections of peripherally separable connected domains*, 47, 661.
- *Connected and disconnected plane sets and the functional equation $f(x) + f(y) = f(x+y)$* , 48, 115.
- *Measure and other properties of a Hamel basis*, 48, 472.
- Kac, M. *On a problem concerning probability and its connection with the theory of diffusion*, 46, 534.
- *Note on the distribution of values of the arithmetic function $d(m)$* , 47, 815.
- *On the average number of real roots of a random algebraic equation*, 49, 314, 938.
- See Agnew, R. P.
- See Reviews, under Halmos.
- Kakutani, S. See Erdős, P.
- van Kampen, E. R. *Elementary proof of a theorem on Lorentz matrices*, 47, 288.
- van Kampen, E. R., and Wintner, A. *On bounded convolutions*, 43, 564.
- Kaplansky, I. *Solution of the "problème des ménages,"* 49, 784.
- *Symbolic solution of certain problems in permutations*, 50, 906.
- See Reviews, under Fréchet.
- Kaplansky, I., and Schilling, O. F. G. *Some remarks on relatively complete fields*, 48, 744.
- von Kármán, T. *The engineer grapples with nonlinear problems*, 46, 615.
- Karpinski, L. C. See Reviews, under Kepler.
- Kasner, E. *Polygenic functions whose associated element-to-point transformation converts unions into points*, 44, 726.
- Kasner, E., and DeCicco, J. *The geometry of the whirl-motion group G_6 : elementary invariants*, 44, 399.
- *Transformation theory of integrable double-series of lineal elements*, 46, 93.
- *The conformal near-Moebius transformations*, 46, 784.
- *Pseudo-conformal geometry: functions of two complex variables*, 48, 317.
- *The geometry of velocity systems*, 49, 236.
- *Union-preserving transformations of space*, 50, 98.

- Kempner, A. J. *On the complex roots of algebraic equations*, **41**, 809.
 — See Reviews, under Landau.
- Ketchum, P. W. *On the expansion of a function analytic at distinct points*, **43**, 115.
 — *Note on an elementary geometric existence theorem*, **43**, 835.
 — See Reviews, under Sokolnikoff.
- Kimball, B. F. *A generalization of the Bernoulli polynomial of order one*, **41**, 894.
- Kincaid, W. M. *On non-cut sets of locally connected continua*, **49**, 399.
- Kittell, I. *A group of operations on a partially colored map*, **41**, 407.
- Kleene, S. C. *A note on recursive functions*, **42**, 544.
- Kline, J. R. See Reviews, under Bouligand, Sierpinski.
- Kline, M. *Representation of homeomorphisms in Hilbert space*, **45**, 138.
- Knebelman, M. S. See Reviews, under Cartan, Struik.
- Kober, H. *A note on Hilbert's operator*, **48**, 421.
 — *A note on approximation by rational functions*, **49**, 437.
- Koehler, F. *Systems of orthogonal polynomials on certain algebraic curves*, **46**, 345.
- Kolchin, E. R. *On the basis theorem for infinite systems of differential polynomials*, **45**, 923.
 — See Ritt, J. F.
- Koopman, B. O. *The basis of probability*, **46**, 763.
 — See Reviews, under Dirac, Perrin.
- Kormes, J. P. *The solution of the differential equation $(a^2\partial^2/\partial t^2 - \Delta)(\partial^2/\partial t^2 - \Delta)u = f(x, y, z, t)$ by Hadamard's method*, **50**, 842.
- Krabill, D. M. *On extension of Wronskian matrices*, **49**, 593.
- Krall, H. L. *On derivatives of orthogonal polynomials*, **42**, 423.
 — *On higher derivatives of orthogonal polynomials*, **42**, 867.
 — *On derivatives of orthogonal polynomials. II*, **47**, 261.
- Kraus, C. A. *The present status of the theory of electrolytes*, **44**, 361.
- Kroon, R. P. See Reviews, under Kowalewski.
- Krzyżański, M. *Sur les solutions des équations du type parabolique déterminées dans une région illimitée*, **47**, 911.
- Kuhn, H. W. See Reviews, under Miller, G. A.
- Kullback, S. *On the Bernoulli distribution*, **41**, 857.
 — *On certain distribution theorems of statistics*, **42**, 407.
- Lamson, K. W. See Reviews, under Rojansky, Rothe.
- Lancaster, O. E. *Some results concerning the behavior at infinity of real continuous solutions of algebraic difference equations*, **46**, 169.
- Lane, E. P. *Plane sections through an asymptotic tangent of a surface*, **41**, 285.
 — *A theorem on surfaces*, **46**, 117.
- Langer, R. E. *On the determination of earth conductivity from observed surface potentials*, **42**, 747.
 — *On the stability of the laminar flow of a viscous fluid*, **46**, 257.
 — See Reviews, under Ford.
- Langford, C. H. See Reviews, under Peirce.
- Latshaw, V. V. *On fourth order self-adjoint difference systems*, **43**, 851.
 — See Reviews, under Valentiner.
- Lax, P. D. *Proof of a conjecture of P. Erdős on the derivative of a polynomial*, **50**, 509.
- Lefschetz, S. *The role of algebra in topology*, **43**, 345.
 — See Reviews, under Sierpiński, Zariski.
- Lehmer, D. H. *A generalized inverse algorithm*, **42**, 693.
 — *An application of Schläfli's modular equation to a conjecture of Ramanujan*, **44**, 84.
 — *A factorization theorem applied to a test for primality*, **45**, 132.
 — *Recurrence formulas for certain divisor functions*, **49**, 150.
- Lehmer, D. H., and Lehmer, E. *On the first case of Fermat's last theorem*, **47**, 139.

- Lehmer, D. N. *A correction in the list of primes*, **42**, 560.
 — See Reviews, under Cazalas.
- Lehmer, E. *On a resultant connected with Fermat's last theorem*, **41**, 864.
 — *On the magnitude of the coefficients of the cyclotomic polynomial*, **42**, 389.
 — See Lehmer, D. H.
- Leighton, W. *A test-ratio test for continued fractions*, **45**, 97.
 — See Cowling, V. F.; Glass, T. F.
- Leighton, W., and Scott, W. T. *A general continued fraction expansion*, **45**, 596.
- Leighton, W., and Thron, W. J. *On value regions of continued fractions*, **48**, 917.
- Lengyel, B. A. *Bounded self-adjoint operators and the problem of moments*, **45**, 303.
 — See Erdős, P.
- Lester, C. A. See Reviews, under Dickson.
- Levenson, A. See Lowan, A. N.
- Levi, H. *On the values assumed by polynomials*, **45**, 570.
 — *Exact n th derivatives*, **49**, 631.
- Levine, J. *Some new complete sets of identities for affine and metric spaces*, **41**, 497.
 — *Some theorems on tensor differential invariants*, **41**, 679.
 — *Conformal scalars*, **42**, 115.
 — *Groups of motions in conformally flat spaces*, **42**, 418.
 — *Metric spaces with geodesic Ricci curves*. I, **44**, 145.
 — *Metric spaces with geodesic Ricci curves*. II, **45**, 122.
 — *Groups of motions in conformally flat spaces*. II, **45**, 766.
- Levinson, N. *On certain theorems of Pólya and Bernstein*, **42**, 702.
 — See Hardy, G. H.
 — See Reviews, under Churchill.
- Levitzki, J. *On the radical of a general ring*, **49**, 462.
- Levy, H. See Reviews, under Cartan, Weiss, E. A.
- Lewis, D. C. *On a theorem of Féraud*, **41**, 123.
 — *On line integrals and differential equations, especially those of dynamics*, **43**, 277.
 — See Reviews, under de Broglie, Frazer, Levi-Civita.
- Lewis, F. A. *Proof of the non-isomorphism of two collineation groups of order 5184*, **43**, 742.
 — *Note on the defining relations for the simple group of order 660*, **44**, 456.
 — *A note on the special linear homogeneous group $SLH(2, p^n)$* , **47**, 629.
 — *Generators of permutation groups simply isomorphic with $LF(2, p^n)$* , **48**, 907.
- Lewitan, B. *On an integral equation with an almost periodic solution*, **43**, 677.
- Lewy, H. *On the non-vanishing of the Jacobian in certain one-to-one mappings*, **42**, 689, 944.
- Ling, D., and Recht, L. *A theorem concerning the geodesics on a paraboloid of revolution*, **47**, 934.
- Longley, W. R. See Reviews, under Carathéodory, Chazy, Gunther, Hamel, Hoheisel, Koschmieder, von Mangoldt, Poole.
- Loomis, L. H. *The radius and modulus of n -valence for analytic functions whose first $n-1$ derivatives vanish at a point*, **46**, 496.
 — *On an inequality of Seidel and Walsh*, **48**, 908.
 — *A short proof of the completeness of the Laguerre functions* **50**, 386.
 — *An elementary proof of the strong form of the Cauchy theorem*, **50**, 831.
- Lorch, E. R. *Bicontinuous linear transformations in certain vector spaces*, **45**, 564.
 — *Means of iterated transformations in reflexive vector spaces*, **45**, 945.
 — *The structure of normed abelian rings*, **50**, 447.
- Lotkin, M. *On a certain type of nonlinear integral equations*, **50**, 833.
- Lowan, A. N. *On the operational determination of two dimensional Green's functions in the theory of heat conduction*, **44**, 125.
 — *On Green's functions in the theory of heat conduction in spherical coordinates*, **45**, 310.
 — *On wave motion in an infinite solid bounded internally by a cylinder or a sphere*, **45**, 316.
 — *On the computation of the second differences of the $Si(x)$, $Ei(x)$ and $Ci(x)$ func-*

- tions, **45**, 583.
- Corrections to "On Green's functions in the theory of heat conduction in spherical coordinates," **45**, 951.
- Lowan, A. N., and Blanch, G. *Errors in Hayashi's table of Bessel functions for complex arguments*, **47**, 291.
- Lowan, A. N., Blanch, G., and Horenstein, W. *On the inversion of the q -series associated with Jacobian elliptic functions*, **48**, 737.
- Lowan, A. N., Davids, N. and Levenson, A. *Table of the zeros of the Legendre polynomials of order 1-16 and the weight coefficients for Gauss' mechanical quadrature formula*, **48**, 739, 950, 939.
- Lowan, A. N., Salzer, H. E., and Hillman, A. P. *A table of coefficients for numerical differentiation*, **48**, 920.
- Lubben, R. G. *Separabilities of arbitrary orders and related properties*, **46**, 913.
- McClenon, R. B. See Reviews, under Loria.
- McCoy, N. H. *On the characteristic roots of matrix polynomials*, **42**, 592.
- *Generalized regular rings*, **45**, 175.
- *Concerning matrices with elements in a commutative ring*, **45**, 280.
- *A theorem on matrices over a commutative ring*, **45**, 740.
- *A generalization of Ostrowski's theorem on matrix identities*, **46**, 490.
- *Divisors of zero in matrix rings*, **47**, 166.
- See Reviews, under MacDuffee.
- McEwen, W. H. *On the simultaneous approximation of a function and its derivatives by sums of Birkhoff type*, **45**, 576.
- McKinsey, J. C. C. *On the independence of undefined ideas*, **41**, 291.
- *Reducible Boolean functions*, **42**, 263.
- *On the generation of the functions C_{pq} and N_p of Lukasiewicz and Tarski by means of a single binary operation*, **42**, 849.
- *A condition that a first Boolean function vanish whenever a second does not*, **43**, 694.
- *A note on Reichenbach's axioms for probability implication*, **45**, 799.
- See Hoberman, S.
- McShane, E. J. *Jensen's inequality*, **43**, 521.
- *On the uniqueness of the solutions of differential equations*, **45**, 755.
- *A remark concerning sufficiency theorems for the problem of Bolza*, **46**, 698.
- *On Perron integration*, **48**, 718.
- MacColl, L. A. *A factorization theory for polynomials in x and in functions e^{ax}* , **41**, 104.
- See Reviews, under Ser.
- MacDonald, J. *Conjugate nets in asymptotic parameters*, **50**, 697.
- MacDonald, J. K. L. *On bounds for parameters in n -noded solutions of Sturm-Liouville equations*, **45**, 164.
- See Reviews, under *Contributions to the mechanics of solids*, Levy.
- MacDuffee, C. C. *A recursion formula for the polynomial solutions of a partial differential equation*, **42**, 244.
- See Reviews, under Chevalley, Moore, E. H., Wedderburn.
- Mackey, G. W. *Equivalence of a problem in measure theory to a problem in the theory of vector lattices*, **50**, 719.
- MacLane, S. *Note on some equations without affect*, **42**, 731.
- *The universality of formal power series fields*, **45**, 888.
- *A conjecture of Ore on chains in partially ordered sets*, **49**, 567.
- See Becker, M. F.
- See Reviews, under Bouligand, Carnap, Enriques, Hilbert.
- MacLane, S., and Schilling, O. F. G. *A formula for the direct product of crossed product algebras*, **48**, 108.
- MacNeille, H. M. *The application of lattice theory to integration*, **44**, 825.
- *Extension of a distributive lattice to a Boolean ring*, **45**, 452.
- See Reviews, under Foradori.
- Macphail, M. S. *Some iterated integrals in the fractional calculus*, **44**, 707.
- *Cesàro summability of a class of series*, **47**, 483.
- MacQueen, M. L. *Osculating quadrics of ruled surfaces in reciprocal rectilinear congruences*, **47**, 788.

- *The extremals of two invariant integrals*, 50, 503.
- Maddaus, I. *On completely continuous linear transformations*, 44, 279.
- Maker, P. T. *The relation of perfect sets of measure zero to certain classes of functions*, 44, 846.
- *The Cauchy theorem for functions on closed sets*, 48, 912.
- Mancill, J. D. *On the Carathéodory condition for unilateral variations*, 46, 363.
- Mann, H. B. *On orthogonal Latin squares*, 50, 249.
- *On certain systems which are almost groups*, 50, 879.
- Manning, W. A. *On transitive groups that contain certain transitive subgroups*, 45, 783.
- Marden, M. *On the zeros of the derivative of a rational function*, 42, 400.
- *The zeros of certain composite polynomials*, 49, 93.
- *A recurrence formula for the solutions of certain linear partial differential equations*, 50, 208.
- Margenau, H. See Reviews, under Cramer, Madelung, Rosseland.
- Martin, M. *A sequence of limit tests for the convergence of series*, 47, 452.
- Martin, M. H. *Note on the continuity of the ergodic function*, 43, 541.
- *Real asymptotic solutions of real differential equations*, 46, 475.
- Martin, W. T. *Mappings by means of systems of analytic functions of several complex variables*, 50, 5.
- See Cameron, R. H.
- Maximoff, I. *On approximately continuous functions*, 45, 264.
- *Sur le système de Souslin d'ensembles dans l'espace transfini*, 46, 543.
- Mayer, W. *A new approach to the critical value theory*, 46, 838.
- Mears, F. M. *Some multiplication theorems for the Nörlund mean*, 41, 875.
- Menger, K. *Non-euclidean geometry of joining and intersecting*, 44, 821.
- Merriman, G. M. *Concerning sets of polynomials orthogonal simultaneously on several circles*, 44, 57.
- Mersman, W. A. *A new summation method for divergent series*, 44, 667.
- *Heat conduction in an infinite composite solid*, 47, 956.
- Michal, A. D. *General tensor analysis*, 43, 394.
- *General differential geometries and related topics*, 45, 529.
- Michal, A. D., and Paxson, E. W. *Maps of abstract topological spaces in Banach spaces*, 42, 529; 43, 888.
- Miller, E. W. *On the singularities of an analytic function*, 41, 561.
- *Some theorems on continua*, 46, 150.
- See Dushnik, B., Eilenberg, S.
- Miller, H. C. *A theorem concerning closed and compact point sets which lie in connected domains*, 46, 848.
- Miller, L. H. See Albert, G. E.
- Miller, N. *Note on the existence of an n th derivative defined by means of a single limit*, 42, 908.
- Millsaps, K. *Abstract polynomials in non-abelian groups*, 49, 253.
- Mindlin, R. D. *Note on the Galerkin and Papkovitch stress functions*, 42, 373.
- v. Mises, R. *Note on deduced probability distributions*, 44, 81.
- *Integral theorems in three-dimensional potential flow*, 50, 599, 943.
- Mohan, B. *Certain self-reciprocal functions*, 46, 466.
- Montague, H. F. *Certain non-involutorial Cremona transformations of hyperspace*, 42, 727.
- Montgomery, D. *Continuity in topological groups*, 42, 879.
- Montgomery, D., and Samelson, H. *Groups transitive on the n -dimensional torus*, 49, 455.
- Montgomery, D., and Zippin, L. *A theorem on the rotation group of the two-sphere*, 46, 520.
- *A theorem on Lie groups*, 48, 448.
- Montgomery, J. C. *The roots of a polynomial and its derivative*, 47, 621.
- Moody, E. I. *Notes on the Bertini involution*, 49, 433.

- Moore, C. N. See Reviews, under Bailey, Mandelbrojt, Ser.
- Moritz, R. E. *On the extended form of Cauchy's condensation test for the convergence of infinite series*, **44**, 441.
- Morrey, C. B. *Existence and differentiability theorems for the solutions of variational problems for multiple integrals*, **46**, 439.
- Morse, A. P. *The role of internal families in measure theory*, **50**, 723.
— See Adams, C. R.; Federer, H.
- Morse, M. *Three theorems on the envelope of extremals*, **42**, 136.
— *A special parameterization of curves*, **42**, 915.
— *Functional topology*, **49**, 144.
- Moskowitz, D., and Dines, L. L. *On the supporting-plane property of a convex body*, **46**, 482.
- Moulton, E. J. See Reviews, under Lichtenstein.
- Moursund, A. F. *On the r th derived conjugate function*, **41**, 131.
— *A note on Taylor's theorem*, **41**, 231.
- Murdoch, D. C. *Note on normality in quasi-groups*, **47**, 134.
- Murnaghan, F. D. See Reviews, under Bouligand, Brillouin, Curie, Frenkel, Gamow, Heitler, Julia, Richmond, Swings, Tietjens, Uller, Vogtherr.
- Murray, F. J. *Nullifying functions*, **46**, 459.
— *The analysis of linear transformations*, **48**, 76.
— See Reviews, under Widder.
- Myers, S. B. See Reviews, under Blaschke, Santaló, Seifert.
- Nakayama, T. *A remark on representations of groups*, **44**, 233.
— *A note on the elementary divisor theory in non-commutative domains*, **44**, 719.
— *A remark on the sum and the intersection of two normal ideals in an algebra*, **46**, 469; **47**, 332.
- Neikirk, L. I. *Some symbolic identities*, **43**, 848.
- Neugebauer, O. See Reviews, under Work Projects Administration.
- Neyman, J. See Reviews, under Wald.
- Nichols, G. D. *The arithmetized expansions for certain doubly periodic functions of the third kind*, **41**, 361.
— *A generalized element of decomposition for doubly periodic functions*, **43**, 249.
— *A sufficient condition for Cesàro summability*, **48**, 580.
- Nielsen, K. L. *On the Bergman operators for linear partial differential equations*, **50**, 195.
- Nielsen, K. L., and Ramsay, B. P. *On particular solutions of linear partial differential equations*, **49**, 156.
- Niven, I. *Sums of fourth powers of Gaussian integers*, **47**, 923.
— *The Pell equation in quadratic fields*, **49**, 413.
— See Eilenberg, S.; Fine, N. J.
- Northrop, F. S. C. See Reviews, under Heisenberg, Mark, Menger, Schrödinger, Späth, Thirring.
- Oakley, C. O. See Reviews, under Julia.
- Oberg, E. N. *The approximate solution of integral equations*, **41**, 276.
— *On the approximation of functions by sums of orthonormal functions*, **49**, 68.
- O'Brien, K. E. *Some problems in interpolation by characteristic functions of linear differential systems of the fourth order*, **46**, 281.
- O'Connor, R. E. *Quadratic and linear congruence*, **45**, 792.
- Offord, A. C. See Hille, E.
- Ogburn, J. H. See Reviews, under Deming.
- Okada, Y. *On some gap theorems for Euler's method of summation of series*, **43**, 536.
- Oldenburger, R. *On arithmetic invariants of binary cubic and binary trilinear forms*, **42**, 871.
— *Real canonical binary symmetric trilinear forms*, **43**, 546.
— *Decomposition of elements in abelian groups*, **45**, 152.
— *Complete reducibility of forms*, **46**, 88.
— *Recurrence of symbolic elements in dynamics*, **47**, 294.
— *Expansions of quadratic forms*, **49**, 136.
— See Reviews, under Uspensky.
- Oldenburger, R., and Porges, A. *The mini-*

- mal numbers of binary forms, 46, 694.
- Olds, C. D. *On the remainder in the approximate evaluation of the probability in the symmetrical case of James Bernoulli's theorem*, 43, 806.
- *On the representations, $N_3(n^2)$* , 47, 499.
- *On the representations, $N_7(m^2)$* , 47, 624.
- Olds, E. G. *Distributions of greatest variates, least variates, and intervals of variation in samples from a rectangular universe*, 41, 297.
- *A moment-generating function which is useful in solving certain matching problems*, 44, 407.
- Opatowski, I. *Combinatoric interpretation of a formula for the n th derivative of a function of a function*, 45, 944.
- See Reviews, under Work Projects Administration.
- Oppenheim, A. *Rational approximations to irrationals*, 47, 602.
- Ore, O. *On the application of structure theory to groups*, 44, 801.
- *Chains in partially ordered sets*, 49, 558.
- See Reviews, under Dubreil, Enzyklopädie, Hasse, Hilbert, Koksma, Krull, van der Waerden, Weil.
- Osgood, W. F. *The number system after Dedekind*, 41, 505.
- Ostrowski, A. *On a theorem by J. L. Walsh concerning the moduli of roots of algebraic equations*, 47, 742.
- *On the definition of contact transformations*, 47, 760.
- Oxtoby, J. C. *The category and Borel class of certain subsets of \mathcal{L}_p* , 43, 245.
- Pa, C. *A transformation of Jonas surfaces*, 49, 793.
- Page, L. See Reviews, under Maxwell, Pidduck.
- Paley, R. E. A. C. *Some theorems on abstract spaces*, 42, 235.
- Pall, G. *A new solution of the Gauss problem on $h(s^2d)/h(d)$* , 41, 373.
- *A property of the solutions of $t^2 - du^2 = 4$* , 42, 81.
- *On rational automorphs of binary quadratic forms*, 42, 541.
- *An almost universal form*, 46, 291.
- *The construction of positive ternary quadratic forms*, 47, 641.
- *The distribution of integers represented by binary quadratic forms*, 49, 447.
- Parker, W. V. *On symmetric determinants*, 43, 730.
- See Aucoin, A. A.
- Patterson, B. C. See Reviews, under Doehlemann.
- Patterson, J. O. *A note on the diophantine problem of finding four biquadrates whose sum is a biquadrate*, 48, 736.
- Patterson, W. A. *Inverse problems of the calculus of variations for multiple integrals*, 46, 502.
- Paxson, E. W. See Michal, A. D.
- Peach, M. O. *Simplified technique for constructing orthonormal functions*, 50, 556.
- Pearl, R. See Reviews, under Rashevsky.
- Peebles, G. H. *On equivalence of certain types of series of orthonormal functions*, 48, 556.
- Pekeris, C. L. See Reviews, under Ertel.
- Perkins, F. W. *A set of independent conditions that a real function be everywhere differentiable*, 42, 93.
- See Reviews, under Vasilescu.
- Perlin, I. E. *Indefinitely differentiable functions with prescribed least upper bounds*, 46, 272.
- *Sufficient conditions that polynomials in several variables be positive*, 48, 458.
- Perlis, S. *Scalar extensions of algebras with exponent equal to index*, 47, 670.
- *A characterization of the radical of an algebra*, 48, 128.
- Peskin, L. C. See Reviews, under Inglis.
- Pettis, B. J. *A note on regular Banach spaces*, 44, 420.
- See Reviews, under Juvet, McLachlan, Timoshenko.
- Phillips, R. S. *A decomposition of additive set functions*, 46, 274.
- *A characterization of euclidean spaces*, 46, 930.
- Pierce, T. A. See Reviews, under Gupta.
- Piranian, G. *On the convergence of certain partial sums of a Taylor series with gaps*, 49, 881.

- Pitcher, E., and Sewell, W. E. *Existence theorems for solutions of differential equations of non-integral order*, **44**, 100, 888.
- Pollard, H. *Subseries of a convergent series*, **49**, 730.
- *Fourier series with coefficients in a Banach space*, **50**, 581.
- *The mean convergence of non-harmonic series*, **50**, 583.
- See Buck, R. C.
- Polya, G. *On the zeros of the derivatives of a function and its analytic character*, **49**, 178.
- Pompilj, G. *Sulle trasformazioni Cremoniane che posseggono per curva di punti uniti una sestica con dieci punti doppi*, **46**, 684.
- Poor, V. C. See Reviews, under Freda.
- Porges, A. See Oldenburger, R.
- Poritsky, H. *On reflection of singularities of harmonic functions corresponding to the boundary condition $\partial u/\partial n + au = 0$* , **43**, 873.
- *On the boundary condition $\partial u/\partial n + au = 0$ for harmonic functions*, **44**, 443.
- *On a mixed boundary condition for harmonic functions*, **44**, 723.
- *Field concentration near circular conductors*, **49**, 417.
- See Reviews, under Seth, Stumpff.
- Post, E. L. *Recursively enumerable sets of positive integers and their decision problems*, **50**, 284.
- Price, G. B. *Definitions and properties of monotone functions*, **46**, 77.
- *On the completeness of a certain metric space with an application to Blaschke's selection theorem*, **46**, 278.
- *Cauchy-Stieltjes and Riemann-Stieltjes integrals*, **49**, 625.
- See Reviews, under Klein, Verblunsky.
- Puckett, W. T. See Hall, D. W.
- See Reviews, under Pontrjagin.
- Purcell, E. J. *A multiple null-correspondence and a space Cremona involution of order $2n-1$* , **46**, 339.
- *Space Cremona transformations of order $m+n-1$* , **47**, 242.
- *Cremona involutions determined by two line congruences*, **47**, 596.
- Quade, E. S. *The category of the class Lip (α, p)* , **41**, 83.
- *A generalized Parseval's relation*, **41**, 711.
- *A note on Lipschitz classes*, **41**, 849.
- Quine, W. V. *A reinterpretation of Schönfinkel's logical operators*, **42**, 87.
- *Definition of substitution*, **42**, 561.
- See Reviews, under Tarski.
- Rademacher, H. *Fourier expansions of modular forms and problems of partition*, **46**, 59.
- *Trends in research: The analytic number theory*, **48**, 379.
- Radó, T. See Reviews, under Ore.
- Radó, T., and Reichelderfer, P. *Note on an inequality of Steiner*, **47**, 102.
- Rainich, G. Y. *Spinors and tensors*, **42**, 104.
- See Boggs, H.
- See Reviews, under Shabde.
- Rajagopal, C. T. *On an integral test of R. W. Brink for the convergence of series*, **43**, 405.
- Ramsay, B. P. See Nielsen, K. L.
- Randels, W. C. *On a theorem of Plessner*, **41**, 663.
- *On the summability of Fourier series*, **43**, 85.
- *On the order of the partial sums of a Fourier series*, **44**, 286.
- *On the absolute summability of Fourier series*, **44**, 733.
- *On the absolute summability of Fourier Series. II*, **46**, 86.
- Randolph, J. F. *On generalizations of length and area*, **42**, 268.
- *Metric separability and outer integrals*, **46**, 934.
- See Reviews, under Riemann.
- Rangachariar, V. See Sen, D. N.
- Rasmusen, R. B. *Metric properties of the cylinder of Kubota*, **44**, 674.
- Rasmusen, R. B., and Hagen, B. L. *Comments on canonical lines*, **47**, 298.
- Raudenbush, H. W. *On the analog for differential equations of the Hilbert-Netto theorem*, **42**, 371.
- Raynor, G. E. *On Serret's integral formula*, **45**, 911.

- See Reviews, under Knopp, Tricomi.
- Reade, M. *On subharmonic functions*, **49**, 894.
- Reade, M., and Beckenbach, E. F. *An integral analogue of Laplace's equation*, **47**, 633.
- *Mean-value surfaces*, **47**, 808.
- Recht, L. See Ling, D.
- Rees, P. K. *Transforms of Fuchsian groups*, **42**, 229.
- *The transforms of Fuchsian groups*, **44**, 580.
- Regan, F. *A note on a preceding paper*, **42**, 681.
- Reichelderfer, P. See Radó, T.
- Reichenbach, H. *Note on probability implication*, **47**, 265.
- Reid, W. T. *A certain three-dimensional continuum*, **41**, 683.
- *A theorem on plane continua*, **41**, 684.
- *Boundary value problems of the calculus of variations*, **43**, 633.
- *A theorem on quadratic forms*, **44**, 437.
- *Some remarks on linear differential systems*, **45**, 414.
- *A theorem on continuous functions in abstract spaces*, **46**, 113.
- See Hestenes, M. R.
- See Reviews, under Green.
- Reynolds, J. B. See Reviews, under Coe.
- Riblet, H. J. *Factorization of differential ideals*, **48**, 575.
- *Symmetric differential expressions*, **48**, 871.
- Richardson, M. *The relative connectivities of symmetric products*, **41**, 528.
- Richter, C. F. *Mathematical questions in seismology*, **49**, 477.
- Rider, P. R. See Reviews, under Treloar.
- Rietz, H. L. *Some topics in sampling theory*, **43**, 209.
- See Reviews, under Pearson.
- Rinehart, R. F. *Some properties of the discriminant matrices of a linear associative algebra*, **42**, 570.
- Risselman, W. C. *Approximation to a given function by means of polynomials in another given function*, **44**, 241.
- Ritt, J. F. *A family of functions and its theory of contact*, **49**, 109.
- See Reviews, under Bliss.
- Ritt, J. F., and Kolchin, E. R. *On certain ideals of differential polynomials*, **45**, 895.
- Robbins, H. E. *On a class of recurrent sequences*, **43**, 413.
- *Two properties of the function $\cos x$* , **50**, 750.
- Robbins, R. B. See Reviews, under Kostitzin.
- Roberts, J. H. See Reviews, under Malengreau.
- Roberts, J. H., and Civin, P. *Sections of continuous collections*, **49**, 142.
- Robertson, H. P. See Reviews, under Einstein, Henri, Humphrey, Mineur, Schaefer.
- Robertson, M. S. *On the coefficients of a typically-real function*, **41**, 565.
- *On the univalence of Cesàro sums of univalent functions*, **42**, 241.
- *A remark on the odd schlicht functions*, **42**, 366.
- *On the summability by positive typical means of sequences $\{f(n\theta)\}$* , **43**, 287.
- *Multivalent functions of order p* , **44**, 282.
- *Typically-real functions with $a_n = 0$ for $n \equiv 0 \pmod{4}$* , **46**, 136.
- Robinson, C. V. *A characterization of the disc*, **47**, 818.
- Robinson, R. *Note on the geometric interpretation of the vanishing of a certain projective invariant of two conics*, **41**, 399.
- *A condition in invariant form for a net without detours*, **43**, 102.
- Robinson, R. M. *The Bloch constant \mathfrak{A} for a schlicht function*, **41**, 535.
- *Note on convex regions on the sphere*, **44**, 115.
- *On numerical bounds in Schottky's theorem*, **45**, 907.
- *On the mean values of an analytic function*, **46**, 849.
- *On the simultaneous approximation of two real numbers*, **47**, 512.
- *Hadamard's three circles theorem*, **50**, 795.
- Rosenbaum, B. *Divisibility of generalized factorials*, **44**, 566.

- Rosenthal, A. *On differentiation of integrals and approximate continuity*, **48**, 414.
- Rosenthal, E. *Representation of numbers in ternary quadratic forms*, **45**, 261.
- *On some special diophantine equations*, **50**, 753.
- Ross, A. E. *A theorem on simultaneous representation of primes and its corollaries*, **45**, 899.
- Rosser, J. B. *On the first case of Fermat's last theorem*, **45**, 636.
- *A new lower bound for the exponent in the first case of Fermat's last theorem*, **46**, 299.
- *An additional criterion for the first case of Fermat's last theorem*, **47**, 109.
- See Reviews, under Dienes, Gentzen, Hilbert, Lautman, Quine.
- Rosser, J. B., and Walker, R. J. *On the transformation group for diabolic magic squares of order four*, **44**, 416.
- Roth, W. E. *On certain matrices and their determinants*, **43**, 856.
- Rothe, E. *Topological proofs of uniqueness theorems in the theory of differential and integral equations*, **45**, 606.
- Rusk, E. C. See Snyder, V.
- See Reviews, under Enzyklopädie.
- Russell, H. N. *Model stars*, **43**, 49.
- Rutt, N. E. *Prime ends and indecomposability*, **41**, 265.
- *An indecomposable limit sum*, **43**, 680.
- Salem, R. *On some properties of symmetrical perfect sets*, **47**, 820.
- *On trigonometrical series whose coefficients do not tend to zero*, **47**, 899.
- *On a theorem of Bohr and Pál*, **50**, 579.
- Salzer, H. E. *A new formula for inverse interpolation*, **50**, 513.
- See Lowan, A. N.
- Samelson, H. See Montgomery, D.
- Sanders, S. T., Jr. *Derived sets and their complements*, **42**, 577.
- *A linear transformation whose variables and coefficients are sets of points*, **48**, 440; **49**, 938.
- Santaló, L. A. *Note on convex spherical curves*, **50**, 528.
- Sard, A. *The measure of the critical values of differentiable maps*, **48**, 883.
- *The equivalence of n -measure and Lebesgue measure in E_n* , **49**, 758.
- Saslaw, S. See Reviews, under McLachlan.
- Savage, L. J. *On the crossing of extremals at focal points*, **49**, 467.
- Scarborough, J. B. See Reviews, under Stephens.
- Schaeffer, A. C. *Inequalities of A. Markoff and S. Bernstein for polynomials and related functions*, **47**, 565.
- See Duffin, R. J., Forsythe, G. E.
- Schaeffer, A. C., and Duffin, R. J. *On some inequalities of S. Bernstein and W. Markoff for derivatives of polynomials*, **44**, 289.
- Schafer, R. D. *Alternative algebras over an arbitrary field*, **49**, 549.
- Schelkunoff, S. A. See Reviews, under Coulson, Warren.
- Schilling, O. F. G. *Automorphisms of fields of formal power series*, **50**, 892.
- See Kaplansky, I.; MacLane, S.
- See Reviews, under Lie.
- Schoenberg, I. J. *On certain two-point expansions of integral functions of exponential type*, **42**, 284.
- *On the Peano curve of Lebesgue*, **44**, 519.
- *On local convexity in Hilbert space*, **48**, 432.
- Schwartz, H. M. *Sequences of Stieltjes integrals*, **47**, 947.
- See Reviews, under Carathéodory.
- Schweigert, G. E. *A note on the limit of orbits*, **46**, 963.
- *Minimal A -sets, infinite orbits, and fixed elements*, **49**, 754.
- See Reviews, under Whyburn.
- Scott, W. *A note on the lower semi-continuity of double integrals in the parametric form*, **48**, 763.
- Scott, W. M. *A remark on algebras of matrices*, **49**, 444.
- Scott, W. T. *Approximation to real irrationals by certain classes of rational fractions*, **46**, 124.
- See Leighton, W.
- Scott, W. T., and Wall, H. S. *Value regions for continued fractions*, **47**, 580.
- Seale, R. Q. *A new proof of Minkowski's*

- theorem on the product of two linear forms*, 41, 419.
- Segal, I. E. *The automorphisms of the symmetric group*, 46, 565.
- Seidel, W. See Reviews, under Biernacki.
- Seidel, W., and Walsh, J. L. *On approximation by euclidean and non-euclidean translations of an analytic function*, 47, 916.
- Sen, D. N., and Rangachariar, V. *Generalized Jacobi polynomials*, 42, 901.
- Serbin, H. *Weierstrass preparation theorem*, 46, 168.
- Sewell, W. E. *Degree of approximation by polynomials to continuous functions*, 41, 111.
- *On the modulus of the derivative of a polynomial*, 42, 699.
- *A note on the relation between integral and Tchebycheff approximation by polynomials in the complex domain*, 43, 425.
- *Jackson summation of the Faber development*, 45, 187.
- See Pitcher, E., Walsh, J. L.
- Shah, S. M. *A note on maximum modulus and the zeros of an integral function*, 46, 909.
- *On integral functions of integral or zero order*, 48, 329.
- Sheffer, I. M. *Note on non-analytic functions*, 41, 367.
- *A differential equation for Appell polynomials*, 41, 914.
- *A simplified solution of the equation $\Delta y(x) = F(x)$* , 43, 283.
- *Some applications of certain polynomial classes*, 47, 885.
- See Reviews, under Denjoy, Lavrentieff.
- Sherman, S. *Some new properties of transfinite ordinals*, 47, 111.
- Shohat, J. A. *On the development of functions in series of orthogonal polynomials*, 41, 49.
- *Note on closure for orthogonal polynomials*, 48, 488.
- See Reviews, under Bachelier, Remes, Szegö.
- Shook, C. A. See Reviews, under Pérès, Pomey, Weyrich.
- Shreve, D. R. *On a certain class of symmetric hypersurfaces*, 45, 948.
- Silverman, L. L. *Products of Nörlund transformations*, 43, 95.
- Simmons, H. A. *Classes of maximum numbers associated with two symmetric equations*, 48, 295.
- Simons, L. G. See Reviews, under Neugebauer.
- Simons, W. H. *Congruences involving the partition function $p(n)$* , 50, 883.
- Sinkov, A. *A set of defining relations for the simple group of order 1092*, 41, 237.
- *On generating the simple group $LF(2, 2^N)$ by two operators of periods two and three*, 44, 449.
- *A note on a paper by J. A. Todd*, 45, 762.
- Smail, L. L. See Reviews, under Moore, C. N., Obreschkoff.
- Smiley, M. F. *A note on measure functions in a lattice*, 46, 239.
- *Measurability and modularity in the theory of lattices*, 47, 76.
- *Measurability and distributivity in the theory of lattices*, 47, 604.
- *A comparison of algebraic, metric, and lattice betweenness*, 49, 246.
- *An application of lattice theory to quasigroups*, 50, 782.
- Smiley, M. F., and Transue, W. R. *Applications of transitivity of betweenness in lattice theory*, 49, 280.
- Smith, D. E. See Reviews, under Pelseneer.
- Smith, F. C. *Relations among the fundamental solutions of the generalized hypergeometric equation when $p=q+1$. I. Non-logarithmic cases*, 44, 429.
- *On the logarithmic solutions of the generalized hypergeometric equation when $p=q+1$* , 45, 629.
- *Relations among the fundamental solutions of the generalized hypergeometric equation when $p=q+1$. II. Logarithmic cases*, 45, 927.
- Smith, P. A. *The topology of transformation groups*, 44, 497.
- *Everywhere dense subgroups of Lie groups*, 48, 309.
- See Reviews, under Hurewicz, Newman.

- Smithies, F. *Completely continuous transformations in Hilbert space*, **44**, 835.
- Snyder, V. See Reviews, under Bortolotti, Conforto, Coolidge, Encyklopädie, Godeaux, O'Hara, Prüfer, Room, Segre, Work Projects Administration.
- Snyder, V., and Carroll-Rusk, E. *The Veneroni transformation in S_n^** , **42**, 585.
- *A Cremona involution in S_3 without a surface of invariant points*, **45**, 141.
- Snyder, W. S. *A remark on the cardinal of limit spaces*, **48**, 121.
- Sobczyk, A. *Projection of the space (m) on its subspace (c_0)*, **47**, 938.
- See Bohnenblust, H. F.
- Sokolnikoff, E. S. See Sokolnikoff, I. S.
- Sokolnikoff, I. S. *Some new methods of solution of two-dimensional problems in elasticity*, **48**, 539.
- Sokolnikoff, I. S., and Sokolnikoff, E. S. *Torsion of regions bounded by circular arcs*, **44**, 384.
- Sorgenfrey, R. H. *Some theorems on co-terminal arcs*, **50**, 257.
- Southall, J. P. C. See Reviews, under Carathéodory.
- Spencer, H. E. See Reviews, under Appell.
- Sprague, A. H. *A differential geometry problem using tensor analysis*, **48**, 747.
- Springer, C. E. *Dual geodesics on a surface*, **48**, 901.
- Steenrod, N. E. See Reviews, under Reide-meister, Tukey.
- Sternberg, W. *The general limit theorem in the theory of probability*, **46**, 292.
- Stoker, J. J. *Mathematical problems connected with the bending and buckling of elastic plates*, **48**, 247.
- Stoll, R. R. *Fundamental regions for the simple group of order 60 in S_4* , **45**, 326.
- Stone, M. H. *The representation of Boolean algebras*, **44**, 807.
- See Reviews, under Julia, Weyl, H., Wigner, van der Waerden.
- Stopher, E. C. *Cyclic relations in point set theory*, **43**, 686.
- *Point set operators and their interrelations*, **45**, 758.
- Strom, C. W. *A complete system for the simple group G_{60}^a* , **43**, 438.
- Struik, D. J. See Reviews, under Castelnuovo, Fréchet, Hodge, Jeffreys, Julia, Takasu, Thomas, T. Y.
- Su, B. *On certain pairs of surfaces in ordinary space*, **49**, 722.
- *The characteristics of asymptotic osculating quadrics of a curve on a surface*, **49**, 904.
- Sugar, A. *A new universal Waring theorem for eighth powers*, **41**, 675.
- *On a result of Hua for cubic polynomials*, **47**, 164.
- Swingle, P. M. *A finitely-containing connected set*, **46**, 178.
- *Indecomposable connexes*, **47**, 796.
- Synge, J. L. See Reviews, under d'Abro, Blaschke.
- Szász, O. *On Fourier series with restricted coefficients*, **44**, 850.
- *On the order of the partial sums of Fourier power series*, **46**, 108.
- *On the logarithmic means of rearranged partial sums of a Fourier series*, **48**, 705.
- *On sequences of polynomials and the distribution of their zeros*, **49**, 377.
- *On Abel and Lebesgue summability*, **49**, 885.
- *On uniform convergence of Fourier series*, **50**, 587.
- *On uniform convergence of trigonometric series*, **50**, 856.
- See Hille, E.
- See Reviews, under Sewell.
- Szegő, G. *Some recent investigations concerning the sections of power series and related developments*, **42**, 505.
- *Concerning sets of polynomials orthogonal simultaneously on several circles*, **45**, 129.
- *Remarks on a note of Mr. R. Wilson and on related subjects*, **46**, 852.
- See Hille, E.
- See Reviews, under Goursat, Walsh.
- Tamarkin, J. D. *On the notion of regularity of methods of summation of infinite series*, **41**, 241.
- See Hille, E.
- See Reviews, under Besicovitch, Brelot, Bonnesen, Dieudonné, Favard,

- Kacmarz, Kestelman, Lusin, Montel, von Neumann, Radó, Saks, Schreier, Titchmarsh, Zygmund.
- Tamarkin, J. D., and Zygmund, A. *Proof of a theorem of Thorin*, 50, 279.
- Tang, T. C. *A paradox of Lewis's strict implication*, 42, 707.
- *The theorem " $p-3q \cdot = \cdot pq=p$ " and Huntington's relation between Lewis's strict implication and Boolean algebra*, 42, 743.
- *Algebraic postulates and a geometric interpretation for the Lewis calculus of strict implication*, 44, 737.
- Taub, A. H. *Spin representation of inversions*, 44, 860.
- Taylor, A. E. *A reduced set of postulates for abstract Hilbert space*, 41, 439.
- *The Hilbert space postulates—a further reduction*, 41, 847.
- *The resolvent of a closed transformation*, 44, 70.
- *Analysis in complex Banach spaces*, 49, 652.
- Théodoresco, N. *La dérivée aréolaire et les potentiels généralisés dans la mécanique des milieux continus*, 43, 125.
- Thielman, H. P. *On the convex solution of a certain functional equation*, 47, 118.
- Thomas, T. Y. *On the metric representations of affinely connected spaces*, 42, 77.
- *On the singular point locus in the theory of fields of parallel vectors*, 45, 436.
- *Imbedding theorems in differential geometry*, 45, 841.
- Thompson, J. M. *Distribution of mass for averages of Newtonian potential functions*, 41, 744.
- Thrall, R. M. *A note on numbers of the form $a^2+\alpha b^2+\beta c^2+\alpha\beta d^2$* , 44, 404.
- *A polarity of trilinear forms and pencils of bilinear forms*, 44, 678.
- *A note on a theorem by Witt*, 47, 303.
- See Reviews, under Birkhoff.
- Thron, W. J. *Convergence regions for the general continued fraction*, 49, 913.
- See Cowling, V. F., Leighton, W.
- Thurston, H. S. *Matric conjugates in a ring $R(A)$* , 44, 258.
- *On the number of sets conjugate to a matrix with linear elementary divisors*, 45, 474.
- Tintner, G. See Reviews, under Davis.
- Titt, E. W. See Reviews, under Miller, F. H.
- Tompkins, C. B. *Linear connections of normal space to a variety in euclidean space*, 41, 931.
- *A flat Klein bottle isometrically embedded in euclidean 4-space*, 47, 508.
- Tornheim, L. *Linear forms in function fields*, 47, 126.
- Torrance, C. C. See Reviews, under Gödel.
- Tracey, J. I. See Reviews, under Telling.
- Transue, W. R. *Remarks on transitivities of betweenness*, 50, 108.
- See Smiley, M. F.
- Trjitzinsky, W. J. *Singular point problems in the theory of linear differential equations*, 44, 209.
- See Reviews, under Buhl, Kryloff.
- Trump, P. L. *On a reduction of a matrix by the group of matrices commutative with a given matrix*, 41, 374.
- Tucker, A. W. *Branched and folded coverings*, 42, 859.
- See Reviews, under Alexandroff, Seifert, Steinitz.
- Tukey, J. W. See Boas, R. P.
- Turner, J. S. See Reviews, under Cohen.
- Turpin, W. S. *Concerning special centers of projection for an algebraic space branch*, 43, 697.
- Turquette, A. R. See Reviews, under Whitehead.
- Valentine, F. A. *On the extension of a vector function so as to preserve a Lipschitz condition*, 49, 100.
- *Contractions in non-Euclidean spaces*, 50, 710.
- Vanderslice, J. L. See Reviews, under Cartan, Weatherburn.
- Vandiver, H. S. *Note on an associative distributive algebra in which the commutative law of addition does not hold*, 42, 857.
- *Note on a certain ring-congruence*, 43, 418.
- *On general methods for obtaining congruences involving Bernoulli numbers*, 46, 121.

- See Reviews, under Skolem.
- Vaughan, H. E. *On locally compact metrisable spaces*, **43**, 532.
- *On the class of metrics defining a metrisable space*, **44**, 557.
- See Reviews, under Appert, Fréchet.
- Vest, M. L. *A non-involutorial space transformation associated with a $Q_{1,n}$ congruence*, **48**, 767.
- *Non-involutorial space transformations associated with a linear congruence*, **48**, 874.
- Vickery, C. W. *Spaces of uncountably many dimensions*, **45**, 456.
- *Axioms for Moore spaces and metric spaces*, **46**, 560.
- Visser, C. *On Poincaré's recurrence theorem*, **42**, 397.
- Wade, T. L. *A note on subgeometries of projective geometry as the theories of tensors*, **47**, 475.
- *Euclidean concomitants of the ternary cubic*, **48**, 589.
- See Bruck, R. H.
- Wahlin, G. E. See Blumenthal, L. M.
- Walden, E. *On the mapping of the sets of 24 points of the symmetric substitution group G_{24} in ordinary space upon a hyperquadric cone*, **47**, 665.
- Walker, R. J. *The Betti numbers of cyclic products*, **42**, 709.
- See Rosser, J. B.
- See Reviews, under Blaschke, *Lectures in Topology*, Sauer, van der Waerden.
- Wall, H. S. *On continued fractions of the form $1 + K_{r^2}(b, z/1)$* , **41**, 727.
- *On continued fractions representing constants*, **44**, 94.
- *On the n th derivative of $f(x)$* , **44**, 395.
- *Some recent developments in the theory of continued fractions*, **47**, 405.
- *The behavior of certain Stieltjes continued fractions near the singular line*, **48**, 427.
- *Continued fractions and bounded analytic functions*, **50**, 110.
- See Greenberg, H. J.; Scott, W. T.
- Wallace, A. D. *On non-boundary sets*, **45**, 420.
- *A fixed-point theorem for trees*, **47**, 757.
- *The acyclic elements of a Peano space*, **47**, 778.
- *A substitute for the axiom of choice*, **50**, 278.
- See Hall, D. W.
- Walsh, J. L. *A necessary condition for approximation by rational functions*, **42**, 219.
- *The divergence of sequences of polynomials interpolating in roots of unity*, **42**, 715.
- *A mean value theorem for polynomials and harmonic polynomials*, **42**, 923.
- *Note on the curvature of orthogonal trajectories of level curves of Green's functions*, **44**, 520.
- *Note on the location of zeros of the derivative of a rational function whose zeros and poles are symmetric in a circle*, **45**, 462.
- *Note on the curvature of orthogonal trajectories of level curves of Green's function. III*, **46**, 101.
- *Note on the coefficients of overconvergent power series*, **48**, 163.
- See Seidel, W.
- See Reviews, under Favard, Valiron.
- Walsh, J. L., and Sewell, W. E. *Note on the relation between continuity and degree of polynomial approximation in the complex domain*, **43**, 557.
- *Note on degree of trigonometric and polynomial approximation to an analytic function*, **44**, 865.
- *Note on degree of trigonometric and polynomial approximation to an analytic function, in the sense of least p th powers*, **46**, 312.
- Wang, F. T. *On strong summability of a Fourier series*, **50**, 412.
- *A note on Riesz summability of the type $e^{n\alpha}$* , **50**, 417.
- *On Riesz summability of Fourier series by exponential means*, **50**, 420.
- Wang, H. C. *On the paths with Monge's equations of the second degree as conditions of intersection*, **50**, 935.
- Ward, M. *Note on divisibility sequences*, **42**, 843.
- *A note on divisibility sequences*, **45**, 334.

- *A characterization of Dedekind structures*, 45, 448.
- Ward, M., and Fuller, F. B. *The continuous iteration of real functions*, 42, 393.
- Warnock, W. G. *Triple systems as ruled quadrics*, 45, 476.
- Warschawski, S. E. *On the preservation of angles at a boundary point in conformal mapping*, 42, 674.
- Webber, G. C. *Transcendence of certain continued fractions*, 50, 736.
- Webster, M. S. *Orthogonal polynomials with orthogonal derivatives*, 44, 880.
- *Note on certain Lagrange interpolation polynomials*, 45, 870.
- *Maximum of certain fundamental Lagrange interpolation polynomials*, 47, 71.
- *A convergence theorem for certain Lagrange interpolation polynomials*, 49, 114.
- Wedberg, A. See Reviews, under Waismann.
- Weisner, L. *Irreducibility of polynomials of degree n which assume the same value n times*, 41, 248.
- *Power series the roots of whose partial sums lie in a sector*, 47, 160.
- *Roots of certain classes of polynomials*, 48, 283.
- See Reviews, under Carmichael.
- Welker, E. L. See Reviews, under Ezekiel.
- Wernick, W. *An enumeration of logical functions*, 45, 885.
- Westergaard, H. M. *General solution of the problem of elastostatics of an n -dimensional homogeneous isotropic solid in an n -dimensional space*, 41, 695.
- Weyl, H. See Reviews, under Cartan, Courant.
- White, H. S. *Formal synthesis of two periodic correspondences, of period five and seven, respectively*, 44, 562.
- *Fourteen species of skew hexagons*, 47, 764.
- White, P. A. *On r -regular convergence*, 50, 123.
- Whiteman, A. *On the law of quadratic reciprocity*, 41, 359.
- *Postulates for Boolean algebra in terms of ternary rejection*, 43, 293.
- *On a theorem of higher reciprocity*, 43, 567.
- Whitney, H. *Topological properties of differentiable manifolds*, 43, 785.
- *On regular families of curves*, 47, 145.
- *On the extension of differentiable functions*, 50, 76.
- *Topics in the theory of abelian groups*. I. *Divisibility of homomorphisms*, 50, 129.
- See Reviews, under Stöilow.
- Whyburn, G. T. *A decomposition theorem for closed sets*, 41, 95.
- *On the structure of continua*, 42, 49.
- *A theorem on interior transformations*, 44, 414.
- *A relation between non-alternating and interior transformations*, 46, 320.
- *On the interiority of real functions*, 48, 942.
- *Topological analog of the Weierstrass double series theorem*, 50, 242.
- Whyburn, W. M. *A connectedness theorem in abstract sets*, 41, 365.
- *Complexes and manifolds represented by functions of real variables*, 42, 255.
- *Differential equations with general boundary conditions*, 48, 692.
- Widder, D. V. *The successive iterates of the Stieltjes kernel expressed in terms of the elementary functions*, 43, 813.
- See Reviews, under Gardner.
- Widder, D. V., and Wiener, N. *Remarks on the classical inversion formula for the Laplace integral*, 44, 573.
- Wiener, N. See Widder, D. V.
- Wilcox, L. R. *Projective differential geometry of curves*, 41, 273.
- *A note on complementation in lattices*, 48, 453.
- *Modularity in Birkhoff lattices*, 50, 135.
- See Reviews, under Birkhoff.
- Wilder, R. L. *A characterization of manifold boundaries in E_n dependent only on lower dimensional connectivities of the complement*, 42, 436.
- Wilkins, J. E. *On the growth of solutions of linear differential equations*, 50, 388.
- Wilks, S. S. See Reviews, under Lotka, Molina, Tintner, Thurstone.
- Williams, A. R. *Correspondences connected with a pencil of n -ics*, 41, 868.
- *Remark on a recent paper by Holcroft*, 42, 89.

- *Birational transformations in 4-space and 5-space*, **44**, 272.
- Williams, K. P. See Reviews, under Batault, Magnan.
- Williamson, J. *A polar representation of singular matrices*, **41**, 118.
- *On the determinant of an automorph of a nonsingular skew-symmetric matrix*, **45**, 307.
- *Note on a principal axis transformation for non-hermitian matrices*, **45**, 920.
- *A generalization of the polar representation of nonsingular matrices*, **48**, 856.
- Wilson, J. W. See Reviews, under Thompson.
- Wilson, R. *A note on the asymptotic properties of orthogonal polynomials*, **45**, 190.
- Wilson, W. A. See Reviews, under Landau.
- Wintner, A. *On symmetric Bernoulli convolutions*, **41**, 137.
- *On a family of Fourier transforms*, **48**, 304.
- *On an elementary analogue of the Riemann-Mangoldt formula*, **48**, 759.
- See van Kampen, E. R.
- Wise, W. H. *Some Bessel function expansions*, **41**, 700.
- Wolf, F. *On majorants of subharmonic and analytic functions*, **48**, 925.
- *On harmonic and analytic functions*, **49**, 602.
- Wolf, L. A. *Similarity of matrices in which the elements are real quaternions*, **42**, 737.
- Wolf, M. C. *Transformation of bases for relative linear sets*, **44**, 716.
- Wong, B. C. *On a certain non-linear one-parameter system of hypersurfaces of order n in r -space*, **41**, 259.
- *On certain varieties whose curve sections are hyperelliptic-curves*, **42**, 99.
- *Characteristics of birational transforms in S_r* , **42**, 888.
- *Enumerative properties of plane connected n -lines*, **44**, 693.
- Wong, Y. C. *A note on complementary sub-spaces in a Riemannian space*, **49**, 120.
- Wong, Y. K. *On the converse of the transitivity of modularity*, **46**, 352.
- *On biorthogonal matrices*, **47**, 424.
- Wren, F. L. *Neo-Sylvester contractions and the solution of systems of linear equations*, **43**, 823.
- Wrench, J. W. See Reviews, under British Association for the Advancement of Science.
- Wright, S. *Statistical genetics and evolution*, **48**, 223.
- Wylie, C. R. *Note on the canonical form of the parametric equations of a space curve belonging to a non-special linear line complex*, **42**, 687.
- *Curves belonging to pencils of linear line complexes in S_4* , **43**, 90.
- *An involutorial line transformation in S_4* , **43**, 839.
- Yagi, F. *A convergence theorem for Lebesgue-Stieltjes integrals*, **49**, 760.
- Yang, C. N. *On the uniqueness of Young's differentials*, **50**, 373.
- Yeaton, C. H. See Reviews, under Appell.
- Young, G. See Eckart, C.
- Young, G. S. *A generalization of Moore's theorem on simple triods*, **50**, 714.
- *On continua whose links are non-intersecting*, **50**, 920.
- Youngs, J. W. T. *A note on separation axioms and their application in the theory of a locally connected topological space*, **49**, 383.
- *The additivity of the Lebesgue area*, **49**, 779.
- Zariski, O. *Normal varieties and birational correspondences*, **48**, 402.
- *The compactness of the Riemann manifold of an abstract field of algebraic functions*, **50**, 683.
- Zippin, L. See Montgomery, D.
- Zorn, M. *A remark on method in transfinite algebra*, **41**, 667.
- *On a theorem of Engel*, **43**, 401.
- See Reviews, under Deuring, van der Waerden.
- Zuckerman, H. S. *The computation of the smaller coefficients of $J(\tau)$* , **45**, 917.
- *On some formulas involving the divisor function*, **49**, 292.
- See Reviews, under Scholz.
- Zygmund, A. *Complex methods in the theory of Fourier series*, **49**, 805.
- *A theorem on generalized derivatives*, **49**, 917.
- See Tamarkin, J. D.