

# CONTENTS \*

McDowell, R. H.	The Works of J. de Groot	1
Alò, R. A. and de Korvin, A.	Topologies Induced by Banach Function Spaces (Topologies Associated with Banach Function Spaces)	16
Arya, S. P.	(Remarks on Sum Theorems for Topological Spaces -- submitted by title)	-
Aull, C. E.	Some Properties Involving Base Axioms and Metrizableity (Conversion of Covering Properties into Base Properties)	41
Blair, R. L.	On $\cup$ -embedded Sets in Topological Spaces ( $\cup$ -embeddings)	46
Boone, J. R.	Some Applications of Pointwise Collectionwise Normality (Some Applications of Property (p))	80
Braude, E.	(Every Compact $q$ -Souslin Set is a $G_\delta$ -- not submitted)	-
Bulman-Fleming, S.	Algebraic Compactness and its Relation to Topology	89
Burke, D. K.	Spaces with a $G_\delta$ -diagonal	95
Chapman, T. A.	On the Theory of Hilbert Cube Manifolds	101
Chimenti, F. A.	(Tychonoff's Theorem for Hyperspaces -- submitted by title)	-
Curtis, D. W.	The Hyperspace of Subcontinua of a Peano Continuum (Spaces of Subcontinua of Connected, Compact Polyhedra)	108
D'Aristotle, A. J.	On Stone-Weierstrass Spaces (On the Extension of Mappings in SW Spaces)	119
French, J. A.	Coincidence of Small and Large Inductive Dimension	132
Frolík, Z.	Basic Refinements of the Category of Uniform Spaces (Some Recent Results on Uniform Spaces, I and II)	140
Guthrie, J. A. and Henry, M.	Sequential Spaces and Quasi-perfect Mappings (Sequential Spaces and Mappings)	159
Guthrie, J. A. and Stone, H. E.	Expansions of Mappings	164

---

\* The title of lectures presented in the Conference are indicated in the parentheses if different than the paper contained in these Proceedings.

## VIII

Hager, A. W.	Vector Lattices of Uniformly Continuous Functions and Some Categorical Methods in Uniform Spaces (Vector Lattices of Uniformly Continuous Functions)	172
Harley, III, P. W.	Metrization of Closed Images of Metric Spaces	188
Harris, D.	Representation of Spaces	192
Heath, R. W.	Some Remarks on Extension Theorems in Monotonically Normal Spaces	201
Hechler, S. H.	A Dozen Small Uncountable Cardinals (On Some Weakly Compact Spaces and Their Products)	207
Hong, S. S.	Limit Operators and Reflective Subcategories	219
Hunter, R. P.	(Some Remarks on Compact, Connected Monoids -- not submitted)	-
Jakel, D., Rajagopalan, M., Soundararajan, T.	On Perfect Images of Ordinals (Perfect Images of Well-ordered Spaces)	228
Keesling, J.	Shape Theory and Topological Groups	233
Kerr, C. I.	On Countably Paracompact Spaces (On Countable Paracompactness)	243
Lipscomb, S. L.	A Universal One-dimensional Metric Space (Universal Space for One-dimensional Space)	248
Lutzer, D. L.	Ordinals and Paracompactness in Ordered Spaces	258
Mancuso, V. J.	Another Inductive Dimension	267
Martin, H. W.	Regular Maps and Metrization	271
McAuley, L.	Special Bases for Topological Spaces (Special Bases for Certain Spaces)	278
Mrowka, S., Rajagopalan, M., Soundararajan, T.	A Characterization of Compact Scattered Spaces through Chain Limits (Chain Compact Spaces)	288
Mrowka, S.	Recent Results on E-compact Spaces	298
Nagata, J.	Recent Developments of General Topology in Japan	302
Narici, L., Beckenstein, E., Bachman, G.	Some Recent Developments on Repletions and Stone-Ćech Compactifications of 0-dimensional Spaces	310

Nel, L. D.	Development Classes: An Approach to Perfectness, Reflectiveness and Extension Problems (Epi-reflective Hulls of Perfect-fitting Subcategories)	322
Nishiura, T.	An Axiomatic Characterization of Covering Dimension in Metrizable Spaces (Characterization of the Covering Dimension Function for Metrizable Spaces)	341
Nyikos, P. J.	The p-adic Topology on Abelian Groups	354
Reed, G. M.	On Completeness Conditions and the Baire Property in Moore Spaces	368
Reynolds, G. D.	Adequacy in Topology and Uniform Spaces (On the Concept of Adequacy in Topology)	385
Rice, M. D.	Complete Uniform Spaces (Completeness of Uniformities)	399
Rudin, M. E.	(Normality of Products, and On a Theorem of Solovay -- not submitted)	-
Schäffer, J. J.	Very Flat Spaces of Continuous Functions	419
Schori, R. M.	Inverse Limits and Near-homeomorphism Techniques in Hyperspace Problems (Hyperspaces of Connected Compact Polyhedra)	421
Semadeni, Z.	A Simple Topological Proof that the Underlying Set Functor for Compact Spaces is Monadic	429
Sennott, L. I.	Note on a Problem of Katětov (Locally Finite Embeddings and a Problem of Katětov)	436
Singh, S.	A 3-dimensional Absolute Retract (Connected Monoids)	443
Siwiec, F.	On the Theorem of Morita and Hanai and Stone	449
Smith, J. C.	Some Recent Results on Expandable Spaces (A Study of Expandable Spaces)	455
Straley, W. F.	(Characterization of Some Topological Properties Using Multivalued Correspondence -- not submitted)	-
Strecker, G. E.	On Characterizations of Perfect Morphisms and Epireflective Hulls	468
Swaminathan, S.	(Role of Pseudocompactness in Analysis and Elasticity, Framing and Paracompactness -- submitted by title)	-

Tall, F.	P-points in $\beta N$ -N, Normal Non-metrizable Moore Spaces and Other Problems of Hausdorff	501
Tan, H. P.	Strong $\mathcal{O}$ -dimensionality of Certain $N$ -compact Spaces -- Preliminary Report	513
Thomas, B. V. S.	Free Topological Groups	517
Tsai, J. H.	Extensions of Integer-valued Maps and $N$ -compact Spaces (On Extending Integer-valued Maps $N$ -compact Spaces)	525
Vaughan, J. E.	Some Recent Results in the Theory of $[a,b]$ -compactness (Generalizations of $(a,b)$ -compactness)	534
White, Jr., H. E.	Topological Spaces that are $\alpha$ -favorable for a Player with Perfect Information	551
Wicke, H. H., Worrell, Jr., J. M.	Completeness and Topologically Uniformizing Structures	557
Williams, S. W.	A Technique for Reducing Certain Covers on Certain L.O.T.S. and Their Products (The $G_\delta$ -topology on Compact Spaces)	586
Fleishman, W.		
Wyler, O.	Filter Space Monads, Regularity, Completions	591
Zenor, P.	Directed $\mathcal{E}$ -structures and $\mathcal{E}$ -compact Spaces (Extensions of Topological Spaces)	638
Gittings, R.	On Covering and Countable Covering Conditions	645
	Problems Posed by Conference Participants	649