CONTENTS

José Adem and Kee Yuen Lam	Evaluation of some Maunder cohomology operations	1
Jorge Soto Andrade	Constructions géometrique de certaines series discretes	32
J.L. Arraut and N.Moreira dos Santos	The point spectrum of the adjoint of an automorphism of a vector bundle	56
Thomas Banchoff and Clint McCrory	Whitney duality and singularities of projections	68
César Camacho and A. Lins Neto	Orbit preserving diffeomorphisms and the stability of Lie group actions and singular foliations	82
A.G. Colares and Manfredo P. do Carmo	On minimal immersions with parallel normal curvature tensor	104
Shiing-shen Chern	Circle bundles	114
D.B.A. Epstein	A topology for the space of foliations	132
D.B.A. Epstein and H. Rosenberg	Stability of compact foliations	151
S. Feder and W. Iberkleid	Secondary operations in K- theory and the generalized vector field problem	161
R. Gérard	On holomorphic solutions of certain kind of Pfaffian systems with singularities	176
Herman Gluck and David Singer	Scattering problems in differential geometry	191
C. Gutierrez and W. de Melo	The connected components of Morse-Smale vector fields on two manifolds	230
Gilbert Hector	Feuilletages en cylindres	252
Michael R. Herman	1) Mesure de Lebesgue et nombre de rotation	271
	2) The Godbillon-Vey invariant of foliations by planes of T^3	294
M. Herrera	On the construction of the trace in Serre duality	308
Peter Hilton	Localization theories for groups and homotopy types	319
Henrich Kollmer	On hyperblic attractors of codimension one	330
A. Lins, W. de Melo and C.C. Pugh	On Liénard's equation	335
S. Lojasiewicz	On the Weierstrass preparation theorem	358

Ricardo Mañé	1) Reduction of semilinear parabolic equations to finite dimensional C^1 flows	361
	2) Axiom A for endomorphisms	379
	3) Characterizations of AS diffeomorphisms	389
Airton S. de Medeiros	Structural stability of integrable differential forms	395
W. de Melo	Accessibility of an optimum	429
J. Moser	1) The scattering problem for some particle systems on the line	441
	2) Proof of a generalized form of a fixed point theorem	464
Jacob Palis Jr.	Some developments on stability and bifurcations of dynamical systems	495
Lucio L. Rodríguez	Convexity and tightness of manifolds with boundary	510
Otto Raul Ruiz M.	Existence of brake orbits in Finsler mechanical systems	542
José Carlos de Souza Kiihl	On the complex projective bundle construction	568
Floris Takens	Symmetries, conservation laws and variational principles	581
Geovan Tavares dos Santos	Classification of generic quadratic vector fields with no limit cycles	605
Juan Tirao	The classifying ring of SL(2,C)	641
Friedrich Tomi	On the finite solvability of Plateau's problem	679
A.J. Tromba	The set of curves of uniqueness for Plateau's problem has a dense interior	696
C.T.C. Wall	Geometric properties of generic differentiable manifolds	707
E.C. Zeeman	A catastrophe model for the stability of ships	775
Eduard Zehnder	1) Note on smoothing symplectic and volume preserving diffeomorphism	828
	2) A simple proof of a generalization of a theorem by C.L. Siegel	855