

## ***SURVEY REVIEW CUMULATIVE INDEX***

### **Volumes 1-35**

#### **S**

- S in GIS. The. D. Parker and G. Taylor. **246**, 465
- Saastamoinen, J.* On the Determination of the Refractive Index of Electromagnetic Waves in Mountainous Terrain. **135**, 11
- Sabbah, A. M.* Adjustment of the Braced Geodetic Quadrilateral by Least Squares. **140**, 255
- Sabbah, A. M.* The Use of an Electrical Analogue in Adjusting Triangulation Problems. **146**, 173
- Saburi, J., Angelakis, N., Jaeger, R., Illner, M., Jackson, P. and Pugh, K. T.* Height of Kilimanjaro. **278**, 551
- Sacks, R.* A Multiple Alignment Nomogram for the Sag Correction of a Steel Surveying Tape. **68**, 261
- Sacks, R.* On the Orthomorphic Property of Schols Adjustment. **58**, 152
- Sacks, R.* The Derivation of Certain Projection Formulae for the Sphere. **78**, 369
- Sadler, D. H.* Ephemeris Time. **102**, 367
- Safety. Lasers and laser. W. F. Price. **173**, 289
- Sag Correction in Catenary Taping. Practical. A. V. Lawes. **50**, 161
- Sag Correction in Catenary Taping. Practical. H. F. Rainsford. **45**, 402; **53**, 278
- Sag Correction of a Steel Surveying Tape. A Multiple Alignment Nomogram for the. R. Sacks. **68**, 261
- Sakurai, S. (with Ananga, N. and Kawashima, I.)*. Cut Slope Deformation Determination with GPS. **265**, 144
- Sakurai, S. (with Ananga, N. and Kawashima, I.)*. High-Precision Land Reclamation Monitoring with GPS. **258**, 263
- Sakurai, S. (with Ananga, N.)*. The Use of GPS Data for Improving Local Geoid Determination. **259**, 334
- Salih, A. B. (with Fashir, H. H. and Abdalla, K. A.)*. Doppler Geoid in Sudan. **237**, 319
- Salih, A. B.* Effect of introduction of Doppler on Sudan. **211**, 221
- Salmon, F. J.* Some Experiments with a Zeiss-Bosshardt Direct-Reading Tacheometer. **26**, 213
- Salmon, F. J.* Cadasatral Air Survey. **28**, 334.
- Salmon, F. J.* With the Field Survey Units in France. **11**, 268
- Sanceau, V. E. H.* The Sierra Leone Topographical Survey. **9**, 163 .
- SantiImaria, R. (with Pugliano, R., Troisi, S. and Turturici, L.)*. Latitude by Time Differences (Operative and Computing Methodologies). **245**, 413
- Sanyaolu, A.* Analytical methods and automatic checks for area computation. **177**, 109
- Sanyaolu, A.* Rational auto-check formulae for traverse computations. **155**, 238
- Sarawak Lands and Survey Department: Annual Report for. N. A. Middlemas. 1931-2, **7**, 34; 1934, **18**, 248; 1936, **25**, 171
- Sarawak Lands and Survey Department: Annual Report for. W. Harnack. 1935. **22**, 490; 1937, **29**, 437
- Sarawak Survey Department: Triangulation Report 1932-3. D. L. Leach. **12**, 368
- Sarawak The Primary Triangulation of. W. Harnack. **42**, 206
- Sarawak. 1939. Annual Report of the Survey and Lands Department. **31**, 505
- Satellite and Terrestrial Networks in Hong Kong. A Model for the Transformation between. E. Mok. **244**, 344

- Satellite Configurations. COSAT Group. **257**, 188
- Satellite Control and its Application in the Egyptian Geodetic Network. Doppler. M. Elhoseny. **235**, 221
- Satellite Doppler symposium. The Las Cruces. D. W. Proctor. **187**, 216
- Satellite Geodesy. The application of photogrammetry to. H. Dekker. **150**, 363; **151**, 6; **152**, 60; **153**, 106; **154**, 154; **155**, 202
- Satellite Geometry Consideration for Efficient GPS Ambiguity Resolution. Esmond Mok and Shaowei Han. **271**, 23
- Satellite Positioning Systems. Traceability and the Calibration of. M. Stewart et al. **269**, 437
- Satellite Vectors to the Plane of the Map. A Model for the Transformation of. Inge Revhaug. **274**, 277
- Satellite. Echo I. Graphical Predictions for the, from Observations at One Equatorial Station. P. Hartog. **129**, 106; **130**, 165
- Satellite-derived geoids for Great Britain and Ireland. J. G. Olliver. **202**, 161
- Savage River. A design of an earth movement survey system at. H. Couchman. **178**, 173
- Savage, G. H.* The Stereographic Solution of the Spherical Triangle. **13**, 407
- Savaidis, P. (with Badellas, A. and Penelis G.)* Measurements for the Construction of the Test Slab of the Laboratory of Reinforced Concrete Structures of the University of Thessaloniki. **238**, 404
- Savaidis, P. (with Badellas, A.)*. Some considerations on the temperature dependence during electromagnetic distance measurements. **198**, 368
- Savvaidis, P. et al.* Determination of Ground Displacements in the Seismic Zone of Volvi, Greece. **266**, 229
- Scale and Convergence on the Transverse Mercator Projection of the Whole Spheroid. L. P. Lee. **127**, 49
- Scale at selected points. Conformal projection with specified. L. P. Lee. **178**, 187
- Scale error. A conformal mapping projection with minimum. Part 3. transformation of co-ordinates and examples of use. W. I. Reilly, and H. M. Bibby. **181**, 302
- Scale error. A conformal mapping projection with minimum. Part 2: scale and convergence in projection co-ordinates. W. I. Reilly and H. M. Bibby. **176**, 79
- Scale error. A conformal mapping projection with minimum. W. I. Reilly. **168**, 57
- Scale errors in triangulation. A note on. P. F. Dale. **158**, 388
- Scale factor adjustment. Least squares model for differential. L. A. White. **169**, 115
- Scale Factor Formulae. Finite. Transverse Mercator Arc-to-Chord and. A. G. Bomford. **125**, 318
- Scale factors for Transverse Mercator systems. Simple algorithms for calculation of. H. W. Stoughton. **206**, 386
- Scale Problem in adjustments of linear measurements. T. Vincenty. **154**, 164
- Scales of Maps in Cartography, A Proposal for the Standardization of. B. Goussinsky. **109**, 298
- Scales. The Tubular Brass. L. Pfeifer. **278**, 541
- Schaffrin, B. and Grafarend, E.* Unbiased free net adjustment. **171**, 200
- Schierhout, B.* The Trigonometrical Survey of Southern Rhodesia. **27**, 267
- Schmutter, B. and Adler, R.* Computer simulation as a basis for investigating major geodetic networks. **160**, 68
- Schofield, W.* An initial evaluation of the Aga Geodimeter model 6BL. **184**, 81
- Schols Adjustment, Distorting a Network to fit Control Points: An Alternative Expression for the. J. A. Weightman. **86**, 372
- Schols Adjustment. On the Orthomorphic Property of. R. Sacks. **58**, 152

- Schols Adjustment. The. *See* Evaluating the Distortion Involved in the Readjustment of a Network. **89**, 130
- School of Military Survey and its Courses for Commonwealth Surveyors. The. L. J. Harris. **73**, 106
- Schramm, P.* Influence of vibrations on the stability of geodetic signals and instruments. **218**, 214
- Schramm, P.* Instability of precise geodetic instruments caused by ground vibrations. **221**, 351
- Schwan, H. and Asteriadis, G.* An Analysis of a Ten-year Survey of the Geodetic Network at the Seismic Area of Lake Volvi in Northern Greece for detecting Real Crustal Movements. **245**, 390
- Schwan, H. and Asteriadis, G.* GPS and Terrestrial Measurements for Detecting Crustal Movements in a Seismic Area. **269**, 447
- Schwendener, H. R.* Electronic distancers for short ranges: accuracy and checking procedures. **164**, 273
- Schwerdtfeger, H.* Remark on B. Cvetkov's Paper: On the "Indefinite" solution of a Linear System by the Principle of Least Squares. **106**, 184
- Sciarrone, V. and Vassallo, A.* From the topographic survey to the geodetic co-ordinates of a point. **227**, 248
- Sciarrone, V. and Vassallo, A.* Spherical Polygon with Direct Determination of Vertices Geodetic Co-ordinates. **233**, 109
- Scope of the Dominion and Colonial Survey Departments. A Plea for the Expansion of the. N. B. Favell. **59**, 175
- Scotland's Crofting and Zimbabwe's Communal Area Tenure. Communal Family Tenure -An Examination of. J. Drummond and D. Goodwin. **270**, 482
- SDR31 Electronic Fieldbook. **255**, 62
- Seager, J. W. and Shortis, M. R.* The Use of Geographic and Map Grid Co-ordinate Systems for Geodetic Network Adjustments. **254**, 495
- Searle, D. J.* The Compilation of a Reconnaissance Map of Alexander Land, Antarctica, from Trimetrogon Air Photographs. **119**, 2
- Secci, A. and Vassallo, A.* Unique Algorithm for the Calculation of Geodetic Distances with the Solution of the First Fundamental Geodetic Problem. **255**, 50
- Second R.I.C.S. Land Surveyors Conference at Shrivenham. J. W. Wright. **157**, 338
- Section. Geoidal. through Great Britain. A. A. R. Robbins. **128**, 69; **129**, 121
- Secular movements of the axis of the civic tower at Modena. Determination of the. P. Russo. **207**, 21
- Seismic Area. GPS and Terrestrial Measurements for Detecting Crustal Movements in a. G. Asteriadis and H. Schwan. **269**, 447
- Seismic Zone of Volvi, Greece. Determination of Ground Displacements in the. P. Savvaidis et al. **266**, 229
- Seker, D. Z. and Parker, D.* Ground Modelling and Earthwork Volume Estimation. A Lesson in Achieving Appropriate Accuracies. **264**, 110
- Selecting Stars for Astronomical Observations, A Graphical Method of. D. Gadd. **118**, 377
- Selection of Pole and Condition Equation in the Least Squares Adjustment of Liner Dimensions in a Geodetic Quadrilateral. The. B. T. Murphy. **116**, 266
- Self reducing double-image tacheometers-a review. Eric C. Aspland. **159**, 15
- Self-Aligning Levels, Two New. F. B. R. Hogg and J. A. Armstrong. **111**, 2
- Self-reducing tacheometers. A note on the status of. J. Sneddon. **205**, 321
- Semi-Graphic Adjustment and Trilateration. B. Chiat, **130**, 157
- Semi-Graphic Construction for the Conical Orthomorphic Projection with One Standard Parallel. A. Norman Pye and G. L. Camm. **93**, 316
- Semigraphic Fixation on a Curved Surface. J. E. Jackson. **8**, 93

Semi-Precise Traverses. The Adjustment of. B. Chiat. **115**, 230

Sensitive Pressure Devices in Surveying. The Use of. D. O'Connor. **103**, 6; **104**, 50; **105**, 114; **106**, 160; **107**, 194

Sensitivity without moving the level from the instrument. Determination of level. A. A. Baldini. **175**, 3

Sequential adjustment for the Nigerian geodetic network. An approach to. N. N. Ndukwe. **228**, 279

Sequential solution of observation equations of free networks. The use of the constraint elimination method for. A. Perelmuter. **212**, 243

Series of events model in the analysis of geodetic levelling: A new look at an old problem. The, E. B. Ebong. **229**, 338

Series of events model in the analysis of geodetic levelling: a new look at an old problem. E. B. Ebong. **229**, 338

*Ses, S. and Gilliland, J.R.* A New Height Control for Peninsular Malaysia. **265**, 151

*Ses, S. and Gilliland, J. R.* Test Geoid Computations in Peninsular Malaysia. **278**, 523

Setting out. W. S. Longdin. **173**, 304

Seven-lens Air-Survey Camera. E, H. Thompson. **26**, 216; **27**, 263

*Sevilla, M. J. and Malpica, J. A.* A Minimum Elastic Deformation Energy Projection. **271**, 56; **272**, 109

Seychelles. Surveys in. A. C. McEwen. **124**, 242

*Shanlong Kuang.* A New Approach to the Optimal Second-Order Design of Geodetic Networks. **243**, 279

*Shaowei Han. and Rizos, C.* Validation and Rejection Criteria for Integer Least-Squares Estimation. **260**, 375

*Shaowei Han and E. Mok.* Satellite Geometry Consideration for Efficient GPS Ambiguity Resolution. **271**, 23

Shape Functions. Area Computations using. D. R. Twigg. **251**, 293

*Sharma, S. K.* A Note on Geodesic Lengths. **140**, 291

*Sharma, S. K.* Interactive survey graphics. **187**, 202

*Sharni, D.* Procedures for solutions of selected geometric and gravimetric problems

*Sharni, D.* On the attraction of a spherical cap upon its axis. **159**, 35

*Shaw, F. R.* The use of tape-slide sequences for teaching surveying. **192**, 80

*Shaw, M. R.* The numerical solution of observation equations arising from the least squares adjustment and statistical error analysis of geodetic networks. **182**, 375

*Shearer, W. V.* Altitudes of points on the Horizontal Wire of a Theodolite. **23**, 38

*Sheppard, V. L. O. and Dowson, Sir E. M.* Compilation of the Land Register of England and Wales. **72**, 56

*Sheppard, V. L. O. and Dowson, Sir E.* Evolution of Land Records. **60**, 202; **64**, 42; **69**, 282

*Sheppard, V. L. O. and Dowson, Sir E.* Representative Collection of Cadastral Survey and Land Records. **5**, 201

*Sheppard, V. L. O. and Dowson, Sir E. M.* The Cadastral Survey of Egypt, 1879-1907. **57**, 82; **58**, 122; **59**, 162

*Sheppard, V. L. O. and Dowson, Sir E. M.* Work of the Cadastral Survey and Land Records Office, 1932-45. **56**, 42

*Sherwood, P. C.* Comments on proposals for establishing an underground cadastre. with special reference to Greater London. **181**, 316

*Sherwood, P. C.* The work of the land survey division of the Greater London Council. **166**, 338

*Shewell, H. A. L.* Intervisibility of Points on the Surface of the Earth. **142**, 276

*Shewell, H. A. L.* Mental Field Astronomy and other Matters. **128**, 59; **129**, 113

- Shewell, H. A. L.* A Rough Rule for the Intervisibility of Points on or Just Above the Earth's Surface. 66, 174
- Shifting and Rotating a Figure. S. G. Bervoets. **246**, 454
- Shipley, G.* Georan I, a compact two-colour EDM instrument. Part 1 basic principles. **179**, 210
- Shisha, E.* A Logarithmic Area-computing Scale. **20**, 338
- Shmutter, B. and Doytsher, Y.* Adjustment of information digitized from maps. **211**, 211
- Shmutter, B. and Ethrog, U.* Processing and adjustment of a traverse network. **203**, 236
- Shmutter, B. and Doytsher, Y.* Assembling Closed Polygons. **235**, 209
- Shmutter, B.* Transforming conic conformal to T. M. co-ordinates. **201**, 130
- Shoran Effort. Canadian. 1949-1953. J. E. R. Ross. **92**, 242; **93**, 290
- Short Base. Range Finding with a Theodolite and. S. E. Evans. **92**, 276
- Short Note on the Simultaneous Determination of Isostatic Gravity and Co-Geoidal Effects Based on Airy-Heiskanen and Pratt-Hayford Hypotheses Using 1° Averaged Topographic Masses on the Idealised Earth. A. J. C. Bhattacharji. **253**, 405
- Short ranges. Multipath effects at. C. L. Merry and H. Rüter. **219**, 256
- Short, T. M.* Rigorous Error Propagation Under Conditions of Biased, Three-Dimensional, Orthogonal Transformations. **250**, 244
- Shortis, M. R. and Fraser, C. S.* Current Trends in Close-range Optical 3D Measurement for Industrial and Engineering Applications. **242**, 188
- Shortis, M. R. and Joyce, P. G.* Accuracy and Precision of Volumes computed from Triangulated Irregular Networks. **245**, 377
- Shortis, M. R. and Seager, J. W.* The Use of Geographic and Map Grid Co-ordinate Systems for Geodetic Network Adjustments. **254**, 495
- Short-range EDM. Direct field plotting using. C. G. T. Bere. **179**, 234
- Shreeve, S. T.* British Cartographic Society annual symposium, Durham 1977. **188**, 275
- Shrivenham. Highlights of. David Watson. **166**, 379
- Shutter Eyepiece for Longitude and Azimuth. The Hunter. J. De Graaff-Hunter. **63**, 20
- Siam. India and Malaya Triangulations. Connection of. B. L. Gulatee. **74**, 175
- Sierra Leone, 1937. Annual Report of the Survey and Lands Department. **31**, 63
- Sierra Leone. Topographical Survey. The. V. E. H. Sanceau. **9**, 163
- Signal Distortion in High Precision GPS Surveys. H. Hartinger and F. K. Brunner. **270**, 513
- Signal Lamps. J. Clendinning. **7**, 15
- Signalised Points on 1/40,000 scale Photography. An experiment with the Coordination of. J. A. Eden. **135**, 37
- Signals in Southern Rhodesia. Geodetic. J. E. S. Bradford. **21**, 407
- Signals. High. A Simple Method of Erecting. J. E. S. Bradford. **67**, 226
- Signals. Time. A Note on the Field Reception of. A. R. Robbins. **105**, 111
- Silver, E. C. (with Robinson, G. L., Greening, W. I. T. and Chrzanowski, A.).* Geodetic Control for Underground Construction of the Superconducting Super Collider. **257**, 177
- Simple Adjustment Procedure for Local GPS Networks. A. J. G. Olliver. **274**, 218
- Simple algorithms for calculation of scale factors for Transverse Mercator systems. H. W. Stoughton. **206**, 386
- Simple Check on the Computation of the Sum of the Squares of the Residuals of Observations of a Single Quantity. A. A. L. Allan. **124**, 279
- Simple Form of Catenary Apparatus for Minor Control Traverses in Rough Country. A. J. W. Wright. **70**, 344

- Simple Method of Computing the Error in the Co-ordinates of a Point Fixed by Intersection from Three Fixed Points. C. E. Nevald. **119**, 32
- Simple Method of Erecting High Signals. A. J. E. S. Bradford. **67**, 226
- Simple Way of Introducing a Global Reference Frame in Surveying and Mapping. A. B-G Reit. **264**, 87
- Simplification of Computations in Low Latitudes. Conical Orthomorphic Projection. A. V. Lawes. **67**, 220
- Simplified Analytical Method for the Adjustment of Aerial Triangulation. A. R. J. Owen. **91**, 227
- Simplified approach to accurate E.D.M. instrument calibration. A. E. N. Emenike. **204**, 272
- Simplified Checks. Two. B. Goussinsky. **20**, 337
- Simultaneous Determination of Latitude and Azimuth from Observations of the Sun. R. Köchle. **145**, 116
- Simultaneous Determination of Latitude, Azimuth and Time by Observations to a Pair of Stars. V. N. S. Murthy. **111**, 15
- Sinclair, A. T.* The tabulation of monthly sets of polynomial coefficients for astronomical data in "The Star Almanac For Land Surveyors". **178**, 151
- Singapore. Improving Cadastral Survey Controls using GPS Surveying in. Aw York Bin and Goh Pong Chai. **261**, 488
- Singh, V. and Oswal, H. L.* Cadastral surveys in India. **178**, 156
- Singh, V.* An integrated survey system for India. **170**, 174
- Sinon, R., Williamson, I. P. and Agumya, A.* Cadastral Reform: Lessons from a Small Island State. **267**, 311
- Sir D.Gill and the Geodetic Survey of South Africa and the Arc of the 30<sup>th</sup> Meridian. J. Calder Wood. **48**, 50
- Six methods of finding north using a suspended gyroscope. The. T. L. Thomas. **203**, 225; **204**, 257
- Six-inch Resurvey in Scotland during the 1964-65 Field Seasons. The Use of Helicopters on. R. M. Beresford. **141**, 312
- Sixth United Nations cartographic conference for Asia and the Far East; Tehran, October/November 1970. J. W. Wright. **160**, 84
- Sjöberg, L. E.* Direct mean versus weighted mean of correlated data. **199**, 3
- Sjöberg, L. E.* Unbiased estimation of variance-covariance components in condition adjustment with special emphasis on computational efficiency. **215**, 15
- Sjöberg, L. E.* A New Method for GPS Phase Base Ambiguity Resolution by Combined Phase and Code Observables. **268**, 363
- Skew Orthomorphic Grids correct to Fourth Order Terms. The Finite Distance Scale Factor Formulae for Transverse Mercator, Decumenal Mercator, and. J. W. R. Day. **236**, 244
- Sleep, I. E.* Recent Trends in Cartographic Techniques. **104**, 73
- Slide-Rule in Topographical Surveying. Notes on the use of the. N. B. Favell. **22**, 477
- Small trilateration nets in three dimensions. N. F. Danial. **216**, 75
- Smallfield, E. J.* Road Location in Rough Country. **43**, 284
- Smith, A. F.* Criteria for the Determination of Azimuth by Observing Stars at Elongation. **121**, 136
- Smith, D. E.* On the Elimination of the Errors of Pairing Azimuth Observations. **11**, 287
- Smith, D. E.* Elimination of Errors of Latitude and Refraction in the Pairing of Azimuth Observations. **25**, 153
- Smith, H. A. S.* Some Surveys of Rivers in Ceylon. **61**, 255

- Smith, J. R.* 60 Years Ago. **246**,490, **250**, 249; **254**, 512, **258**, 281; **262**, 535, **266**, 245; **270**, 528; **274**, 286; **278**, 568
- Smith, J. R.* A note on the limitations of an automatic standard deviation key. **178**, 189
- Smith, J. R.* Automatic functions on desk calculators. **176**, 59
- Smith, J. R.* Decimal degree circles. **169**, 128
- Smith, J. R.* George Everest- Surveyor General Kishewar Hind. **237**, 302
- Smith, J. R.* Meeting of Teachers of Surveying, December 21-22, 1968. **151**, 53
- Smith, J. R.* Second international symposium on deformation measurements by geodetic methods. **193**, 118
- Smith, J. R.* The beginning of modern geodesy 250 years ago. **225**, 105
- Smith, J. R.* The development of two standards. **153**, 133
- Smith, J. R.* The Hewlett-Packard 9810 desk calculator and its predecessors. **163**, 211
- Smith, J. R.* The International Federation of Surveyors (FIG). **269**, 417
- Smith, J. R.* The story of surveying as told by philately, **200**, 85
- Smith, J. R. and Aspland, E. C.* Observational errors and the KERN DK-RT horizontal bar tacheometer. **160**, 5
- Smith, M. I. and Roberts, G.* Computer Aided Learning in Surveying. **262**, 546
- Smith, M. J. and Moore, T.* Back to Basics. (8). **266**, 237; (11/12) **269**, 473; **270**, 509
- Smith, R. C. H.* A modified G.A.K.1 gyro attachment. **183**, 3
- Smith, T.* Duality in Bi-projective Correspondence. **12**, 340
- Smith, T.* The Projective Transformation in Aerial Surveying. **9**, 137, **10**, 206
- Smith, W. P.* Astro Fix by Two Ex-Meridian Stars. **71**, 37
- Smith, W. P.* The other fellow's language. **227**, 213
- Smuts, P. M. and D. R. Hendrikz.* The Cape Bar "A" and the Metre-Foot Relation. **75**, 202
- Snake River, Wyoming, Crossing with the Leica NA-3000 Digital Level. A. G. Sylvester. **260**, 383
- Sneddon, J.* A note on the status of self-reducing tacheometers. **205**, 321
- Sneddon, J.* Further generalisation of the hydrostatic model. **182**, 362
- Sneddon, J.* Non-static effects in hydrostatic levelling. **191**, 15
- Sneddon, J.* Temperature effects in hydrostatic levelling. **174**, 361
- Sneddon, J.* The system temperature of binary liquid hydrostatic levelling. **177**,138
- Sneddon, J.* The temperature equivalence assumption for binary system hydrostatic levelling. **191**, 3
- Sneddon, J.* The wider application of hydrostatic levelling. **191**, 23
- Snyder, J. P.* Component mapping of the triaxial ellipsoid. **217**, 130
- Society of Photogrammetry. The International. **103**, 2
- Sodano's Formulae to the Second Order. Convenient Factorisation of. J. W. R. Day. **263**, 2
- Sokkisha corner cube reflector. Performance of a. L. A. Brooks and H. M. Fielding. **182**, 390
- Sokolov, Yu. G. (with Kaptiig, V. B., Vereshchagin, S. G. and Garnikyan, V. A.).* The First Russian Wire-Measured Baseline Investigated. **274**, 251
- Solar ephemeris and azimuth program. Combined. P. Done, W. R. Mohammed and M. Jones. **224**, 95
- Solstitial Day, Latitude and the. G. T. M. **43**, 286
- Solution and Error Analysis of Large Geodetic Networks. V. Ashkenazi. **146**, 166; **147**, 194; **151**, 34; **152**, 80
- Solution of a Linear System, "Indefinite" Remark on B. Cvetkov's Paper On the. by the Principle of Least Squares. H. Schwerdtfeger. **106**, 184
- Solution of Normal Equations. A Proof of the Cholesky Method of. J. A. Weightman. **113**,139

- Solution of observation equations arising from the least squares adjustment and statistical error analysis of geodetic networks. The numerical. M. R. Shaw. **182**, 375
- Solution of Spherical Triangles. A Stereographic Device for the. L. P. Lee. **65**, 123
- Solution of the Position Line Problem. A Proposed Method of. G. B. Tait. **107**, 220
- Solution of the Position Line Problem. A Further Development of the "Rate of Change of Latitude" Method. G. B. Tait. **109**, 310
- Solutions. Least Squares. Are they Good Approximations to the Truth ? H. F. Rainsford. **93**, 321
- Some Equivalent Map Projection Transformations on the Plane. O. M. Miller. **136**, 73
- Some Investigations into Interferometric Methods for Geodetic Metrology. A. N. Golubev and A. M. Checkovsky. **268**, 350
- Some Performance tests on a Worden master gravimeter. E. G. Hellewell. **162**, 159
- Some Suggestions for Speeding up Work on Topographical Surveys. N. B. Favell. 61, 242; **62**, 295
- Some survey oddities from British North Borneo. Jottings. **220**, 304
- Some Surveys of Rivers in Ceylon. H. A. S. Smith. **61**, 255
- Some tests of retro-reflective materials for electro-optical distance measurements. T. J. M. Kennie. **208**, 51; **207**, 3
- Sources of Error. Instrumental. in Levelling of High Precision by Means of Automatic Levels. An Investigation of the. P. Berthon Jones. **132**, 276; **133**, 313; **134**, 346
- South Africa. Geodetic Survey of. and the Arc of the 30<sup>th</sup> Meridian. Sir David Gill and the. J. Calder Wood. **48**, 50
- South Africa. Irrigation Projects in the Union of. N. B. Favell. **67**, 205
- South Africa. Photogrammetric Mapping in. F. W. Marsh and W. C. Watson. **91**, 222
- South Africa*. Report of the Commission of Inquiry into the Training of Land Surveyors. **159**, 46
- South Africa. The Implementation of the Hartebeesthoek94 Co-ordinate System in. R. Wonnacott. **274**, 243
- South African Cadastre and Indigenous Land Tenure. The. C. Fourie and R. Hillerman. **265**, 174
- South African Cadastre and Indigenous Land Tenure. The. C. Fourie and R. Hillerman. **265**, 174
- South American Datum 1969. Development of the. I. Fischer. **158**, 354
- South Australian Region. Comparisons of gravimetric geoid results using mean gravity anomalies and potential coefficients in the. J. R. Gilliland. **215**, 41
- South China Sea. Levelling from Island to Island in the. C. A. Steynberg. **127**, 15
- South Georgia. The Survey of. A. G. Bomford and W. S. B. Paterson, **107**, 204; **108**, 242
- South Georgia. Surveying in. P. F. Fagan. **146**, 159
- Southern Africa. Datum Transformation Parameters in. J. Rens and C. L. Merry. **236**, 281
- Southern Rhodesia. Report of the Survey of for 1941. L. M. McBean. **46**, 496
- Southern Rhodesian Military Surveyors in the World War, 1939-1945. J. E. S. Bradford. **62**, 282; **63**, 14
- Southern Sudan. Base Measurement in. D. F. Munsey. **115**, 198
- Space network. Britdoc. A geodetic terrestrial. V. Ashkenazi, W. J. Preiss and B. Anderson. **209**, 117
- Space to Earth Techniques. Some Considerations on the Zenith Wet Path Delay Parameters. I. M. Ifadis. **249**, 130

Space-derived Geoid Maps of Great Britain. J. G. Olliver. **244**, 310

Spacelab metric camera imagery of Sudan. An evaluation of. L. J. Rackham. **224**, 55

Spatial Solution of the First Fundamental Geodetic Problem. The. R. Gargiulo and A. Vassalo. **268**, 405

Spatial system for survey computations. The surface controlled. B. R. Bowring. **190**, 361

Speed of light. Recent measurements of the. D. J. E. Knight and W. R. C. Rowley. **185**, 131

Speed, Air. Measuring the World Record. B. Watts. **105**, 127

Speeding up Work on Topographical Surveys. Some Suggestions for. N. B. Favell. **61**, 242; **62**, 295

*Speedy, T. J. H.* North Borneo Land and Survey Records during the Japanese Occupation. **80**, 50; **81**, 112

*Speedy, T. J. H.* Oil Development in the East Indies. **37**, 436

Spherical Basis. Transverse Mercator Equations obtained from a. B. R. Bowring. **233**, 125

Spherical cap upon its axis-on the attraction of a. Dan Sharni.. **159**, 35

Spherical Excess. Graphical Computation of. G. P. Rao. **9**, 167

Spherical Excess. G. T. M. **11**, 291

Spherical Polygon with Direct Determination of Vertices Geodetic Co-ordinates. V. Sciarrone and A. Vassallo. **233**, 109

Spherical Triangles. A Stereographic Device for the Solution of. L. P. Lee. **65**, 123

Spheroid and Surface Lines. The Central Projection of the. B. R. Bowring. **265**, 163

Spheroid in metres. Everest. M. Q. Bari. **175**, 37

Spheroid. Long Lines on the. A. R. Robbins. **125**, 301

Spheroid. The Orthomorphic Projection of the. M. Hotine. **62**, 300; **63**, 25; **64**, 52; **65**, 112; **66**, 157

Spheroid. The Transverse Mercator Projection of the. L. P. Lee. **58**, 142

Spheroidal co-ordinates. Observation equations for observed directions and distances in. J. G. Olliver. **184**, 71

Spiral Transformation for the Conical Orthomorphic Projections, and a Graphical Construction. F. George. **115**, 215

Spirals. Optimum Point Method of Curve Ranging as Applied to. N. K. Ndukwe and O. C. Ojinnaka. **240**, 86

Splitting Hairs: A story of Research. J. L. Rannie. **37**, 398

Squares of Numbers. Checks and Short Cuts in the Computation of the Sum of. T. Vincenty. **137**, 125

Sri Lanka. Institute of surveying and mapping. R. A. Goonewardene. **177**, 101

Standard deviation key. A note on the limitations of an automatic. J. R. Smith, **178**, 189

St Lawrence, Report on the Primary Triangulation along the North Shore of the Gulf of. N. J. Ogilvie. **45**, 386

*St. John, C. M.* A note on experiences with a Hewlett-Packard 3800B distance meter. **175**, 34

Stability of an NPL Mekometer III wavelength standard. Long-term. K. D. Froome and R. H. Bradsell. **186**, 166

Stability. Relative. of Certain Standards of Length. Re-Measurement of the Old 10-ft. Length Standards of the Ordnance Survey. and Some Notes on the. J. S. Clark. **90**, 166

*Stammers Smith, H. A.* The Geodetic Evidence Concerning Wegener's Hypothesis. **65**, 90; **66**, 148

Standard Error. A Rapid Approximation to the. J. G. Olliver. **127**, 51

Standard Frequency Radio-Time Signals, M.S.F., Uses of. in Astro-Survey Work. G. B. Tait. **126**, 374

Standardisation of Steel Surveying Tapes. J. S. Clark and L. O. C. Johnson. **81**, 118

Standardization of Scales of Maps in Cartography, A Proposal for the. B. Goussinsky. **109**, 298

Standardizing Equipment of the Gold Coast Survey Department: J. Clendinning. 19, 258

Standards ? By whose. D. E. Warren. **187**, 195

Standards for lower order horizontal control. The establishment of. R. Adler, H. Papo and A. Perlmutter. **194**, 152

Standards of Length in Question. G. T. M. **6**, 277

Standards of Length. Re-Measurement of the Old 10.ft. Length Standards of the Ordnance Survey. and Some Notes on the Relative Stability of Certain. J. S. Clark. **90**, 166

Standards. The development of two. J. R. Smith. **153**, 133

*Staniczenko, P.* Doppler positioning in the Indian Ocean. **209**, 99

*Stansfield, E. D.* Developments of Survey in Jamaica. **42**, 215

Star ? What was that: A. J. Potter. **17**, 152

Star Almanac For Land Surveyors. The tabulation of monthly sets of polynomial coefficients for astronomical data in. A. T. Sinclair. **178**, 151

Star locator. A station. J. Loxton. **177**, 126

Stars, Astro Fix by Two Ex-Meridian. W. P. Smith. **71**, 37

Stars, Identification of by Learners. G. B. Tait. **116**, 277

Stars, Identification of, by Learners. J. G. Freislich. **120**, 50

Stars, the Naming of the. J. H. R. **16**, 98; **18**, 226; **19**, 277

State of the Surveys of British Africa in 1905-06. The. Sir C. Arden-Close. **76**, 255

*Stathas, D. (with Arabatazi, O. and Mavrellis, G.)*. Testing the Digital Level Wild-NA 2000 in Laboratory and Field Conditions. **248**, 99

*Stathas, D.* A Proposal for a Laboratory Method to Test Digital Theodolites. **262**, 553

Station Adjustment using the generalised least-square method. U. Ethrog. **202**, 180

Station Adjustments. Triangulation. The Reduction of Angles and. H. F. Rainsford. **67**, 209

Station Pointer. The Inventor of the. D. Baxandall. **7**, 18

Station star locator. A. J. Loxton. **177**, 126

Statistical Analysis of Real Time Long Range GPS Measurements via Cellular Phone Communications. A. A. K. Chong and M. Dewhirst. **266**, 212

Statistical techniques for identification of outliers in multivariate E.D.M. data. The application of. A. G. Badellas and J. D. Doukas. **223**, 13

Statistical Test of Significance for Testing Out-lying Observations. U. Ethrog. **240**, 62

Statistics. A note on the calculation of the  $\tilde{\nu}$  and  $F$ . K. S. Milford. **210**, 179

Status of Geographical Information Systems in Trinidad and Tobago. The. J. Opadeyi. **252**, 379

Status of GPS for Height Determination. The. A. H. Dodson. **256**, 66

Staves for Tacheometry. Graduation of. by "Even Angles" or "Height of Instrument" Methods. S. E, Evans. **90**, 185

Steel Surveying Tapes. Standardisation of. J. S. Clark and L. O. C. Johnson. **81**, 118

Stellar Programme for Time-Observations: E. H. M. Clifford. **20**, 343

*Stepec, W. A.* Simultaneous position lines from altitude and azimuth observations. **174**, 347

*Stephenson, A.* Surveying Instruction at the University. **91**, 217

- Stereographic Charts. A Planisphere for. J. G. Olliver. **137**,134
- Stereographic Device for the Solution of Spherical Triangles. A. L. P.Lee, **65**, 123
- Stereographic Projection,.The Generalised : A Projection for a Tri-axial Ellipsoid. J. A. Weightman. **120**, 69
- Stereographic Projection. The Orthomorphism of the. N. Pye. **72**,90
- Stereographic Solution of the Spherical Triangle. The. A. J. Potter. **10**, 226
- Stereographic Solution of the Spherical Triangle. The. G. H. Savage. **13**, 407
- Stereographic Solution of the Spherical Triangle. The. T. H. Corfield. **12**, 345
- Stereoscopic Diagram. The. J. W. French. **3**, 109
- Sterr, W. C. van der.* Our survey system and its economic value. **175**, 29
- Stewart, M. et al.* Traceability and the calibration of Satellite Positioning Systems. **269**, 447
- Steynberg, O. A.* Levelling from Island to Island in the South China Sea. **127**, 15
- Stigant, G. B.* The Hydrographic Department of the Admiralty. (I) History and Organization. **87**, 2
- Stigant, G. B.* The Hydrographic Department of the Admiralty. (II) The Compilation of an Admiralty Chart. G. B. Stigant. **88**, 52
- Stobie, R. S.* Photographic image analysis with the *Cosmos* system. **195**, 231
- Stoch, L.* A note on contour interpolation. **195**, 223
- Stoch, L.* Least Squares. Means. Correlation. **152**, 90
- Stoch, L.* Trends in survey education evolving in the computer era. **168**, 72
- Stoch, L. and Papo. H.* Pointing accuracy on stars. **164**, 242
- Stochastic Model for GPS Code and Phase Observables. Estimation of. C. C. J. M.Tiberius and F. Kenselaar. **277**, 441
- Stone, J. C.* Timothy Pont and the Mapping of Sixteenth-century Scotland: Survey or Chorography? **276**, 418
- Stonehenge and Woodhenge. R. H. Cunnington. **25**, 151
- Stonehenge and Woodhenge: D. A. Learmont. **20**, 339
- Story of surveying as told by philately. The. J. R. Smith. **200**, 85
- Stoughton, H. W.* Simple algorithms for calculation of scale factors for Transverse Mercator systems. **206**, 386
- Straight Line. The Longest Surveyed. F. H. Peters. **33**, 130
- Straight Position Line. The. G. J. Thornton-Smith. **100**, 269
- Strains on Cadastral Surveying in Nigeria. A. R. Sule. **276**, 368
- Strasser, G. J.* Heinrich Wild. **188**, 258
- Strasser, G. J.* Heinrich Wild's Contribution to the Development of Modern Survey Instruments. **140**, 263
- Strasser, G. J.* The Wild DI 10 Distomat infra-red distancer and its underlying principles. **154**, 173
- Strategies for the Accurate Determination of Orthometric Heights from GPS. W. E. Featherstone, M. C. Dentith and J. F. Kirby. **267**, 278
- Strategies in Gravimetric Studies. A Case Study from Nigeria. I. B. Osazuwa. **252**, 368
- Strickland, J. G.* The Uganda Mailo System. **21**, 422; **22**, 460
- Strip Plots. Air Survey. The Adjustment of. D R. Crone. **72**,82
- Structured Concept: Realising the World. The. D. Parker, G. Taylor and D. Dauncey. **253**, 396
- Structures. A Preliminary Assessment of the Tellurometer MA 200 for Vibrational Measurement of Flexible. T. J. M. Kennie, C. M. Howard and S. P. Horkan. **232**, 67
- Studds, R. F. A.* The United States Coast and Geodetic Survey: Its Work and Products. **81**, 98; **82**, 146

Studies of the GPS Technique on Engineering Surveying Applications using the Wild GPS System 2000. E. Mok and Jansen So. **256**, 115

Study of Refraction in the Lower Atmosphere. A. P. W. Angus-Leppan. **120**, 62; **121**, 107; **122**, 166

*Su, Hsuan-Loh*. Note on the Circle of Error. **114**, 168

*Su, Hsuan-Loh*. Current Adjustment and Potential Adjustment Methods Applied to the Adjustment of Level Nets. **108**, 271

*Su, Hsuan-Loh*. Electric Analogue for Triangulation Adjustment. **111**, 30; **114**, 173

Subdivision of a triangle. W. T. Neill. **210**, 178

*Subramaniam, S*. Weights for geopotential numbers in adjustment computations. **202**, 244

Subscription Rates. E.S.R. Change of. Title and. **126**, 339

Subscriptions and Post-War Printing Costs. **70**, 330

Subtense Bar Measurements in Relation to the Number of Observations of the Subtended Angle. The Accuracy of. R. G. Bird. **148**, 256

Subtense Bar. Notes on Traversing with. z. M. Michalski, **93**, 311

Subtense Bar. Vertical, Precision Tacheometry with the, Applied to Topographical Surveying. M. Geisler. **134**, 374

Subtense Bar. Zeiss Th.3 Theodolite and Associated Equipment. Testing the. I. B. Watt. **128**, 76; **129**, 133

Subtense Bar. A Note on the use of a High. A. L. Allan. **149**, 317

Subtense bar. Remote-controlled. G. H. Menzies and C. Longley-Taylor, **154**, 170

Sudan, Anglo-Egyptian. Reconnaissance Mapping from Trimetrogon Photographs in the. J. W. Wright. **79**, 2

Sudan, Base Measurement in the Anglo-Egyptian. D. F. Munsey. **72**, 67; **73**, 98; **74**, 155

Sudan. An evaluation of Spacelab metric camera imagery of. L. J. Rackham. **224**, 55

Sudan. Doppler Geoid in. A. B. Salih, H. H. Fashir and K. A. Abdalla. **237**, 319

Sudan. Effect of introduction of Doppler on. A. B. Salih. **211**, 221

Suggestions for Speeding up Work on Topographical Surveys. Some. B. Favell. **61**, 242; **62**, 295

*Sule, A. R*. Strains on Cadastral Surveying in Nigeria. **276**, 368

Sultanate of Oman. Levelling Control Networks and Geoidal Modelling for the Ministry of Water Resources. P. M. Gibbs. **275**, 329

Sumlock Microscientist 3200 calculating machine. I. J. Dowman. **169**, 112

Sun. Position and azimuth from the time rate of change of altitude and azimuth of the. G. G. Bennett. **198**, 373

Sun. Position finding by rate of change of altitude of the. R. F. Rish. **189**, 323

Super Collider. Geodetic Control for Underground Construction of the Superconducting. G. L. Robinson, W. I. T. Greening, E. C. Silver and A. Chrzanowski. **257**, 177

Superelevation. Road curvature and. J. J. Leeming. **167**, 23

Superficies. Terrestrial. G. T. M. **45**, 408

Surface Matching and Difference Detection without the Aid of Control Points. L. I. Pilgrim. **259**, 290

Surface of constant height. B. R. Bowring. **197**, 332

Survey and mapping in the Okavango swamp. P. Opie-Smith. **169**, 97

Survey and mapping of Norway. A history of the. I. F. G. Whittington. **197**, 291

Survey Apparatus and Invention. Notes on. G. T. M. **17**, 169

Survey Camp: Some Notes on the Making of Land Use Map R. H. Biesheuval. **90**, 159

Survey Camp. The University of Nottingham. K. R. Peattie. **94**, 376

- Survey Carried Out by the Falkland Islands Dependencies Aerial Survey Expedition, 1955-56, 1956-57. An Account of the. A. D. Bancroft. **112**, 50; **113**, 98
- Survey Computations on a Small Computer. C. W. B. King. **136**, 50; **137**, 120
- Survey Control. Henry VII's Chapel: Photogrammetric Recording and. L. D. Blank and A. L. Allan. **270**, 517
- Survey department in the community and its influence on the profession. The role of the. E. A. Tate. **168**, 51
- Survey Departments. A Plea for the Expansion of the Scope of the Dominion and Colonial. N. B. Favell. **59**, 175
- Survey for Colonial Development. M. Hotine. **77**, 290
- Survey in Jamaica. Developments of. E. D. Stansfield. **42**, 215
- Survey in land registration. The place of. B. M. White. **167**, 3
- Survey instrumentation 1780-1980. The development of. R. C. Cox. **219**, 234; **220**, 283
- Survey Networks. Application of Graph Theory to the Ordering of Large. F. L. Clarke and C. K. Tan. **235**, 195
- Survey of Egypt, 1879-1907. The Cadastral. Sir E. M. Dowson and V. L. O. Sheppard. **57**, 82; **58**, 122; **59**, 162
- Survey of Gough Island. The. J. B. Heaney. **104**, 63
- Survey of South Georgia. The. A. G. Bomford and W. S. B. Paterson. **107**, 204; **108**, 242
- Survey of the Old City of Jerusalem. 1865 and 1935. J. H. Mankin. **150**, 338
- Survey Officer in India, Recollections of a. Sir C. Lewis. **55**; **54**, 306
- Survey Officers Conference, August, 1959. Commonwealth. **116**, 246; **117**, 326
- Survey Officers. Conference of Commonwealth. 1947. **67**, 186; **68**, 248
- Survey Officers. Commonwealth, Conference of. 1951. **83**, 231; **84**, 248
- Survey Plans. Using Software to Generate. H. A. Nandalal. **253**, 431
- Survey Products. New. **211**, 232; **207**, 45
- Survey Records during the Japanese Occupation. North Borneo Land and. T. J. H. Speedy. **80**, 50; **81**, 112
- Survey Records of an Engineering Construction Scheme. Ground Marking and. N. B. Favell. **55**, 30
- Survey Records. Notes on the Keeping of. J. F. Bell. **138**, 164
- Survey Records. The keeping of. **54**, 331
- Survey reduction for glacier movement studies. A. C. Wager, C. S. M. Doake, I. G. Paren and J. L. W. Walton. **196**, 251
- Survey Regulations. The Tyranny of. P. Hartog. **121**, 132
- Survey requirements of developing countries in the Pacific Region- with particular reference to Fiji. The cadastral. I. P. Williamson. **206**, 355
- Survey Review, its history, content and management. The. J. Wright and A. L. Allan. **202**, 195
- Survey Review*, Publisher's Announcement. **127**, 2
- Survey Review*. Camera Ready Copy for. **260**, 423
- Survey Sections in Operations. Use of. C. E. Melville-Richards. **50**, 162
- Survey Service. The Military, and the Civilian Surveyor. R. C. A. Edge. **90**, 152
- Survey study of revision methods. **197**, 335
- Survey system and its economic value. Our. W. C. van der Sterr. **175**, 29
- Survey system-from field to finished plan. Some considerations for a fully automated. W. F. Johnston. **192**, 51
- Survey to the geodetic co-ordinates of a point. From the topographic. V. Sciaronne and A. Vassallo. **227**, 248
- Survey use of the constraint elimination method for sequential solution of observation equations of free networks. The. A. Perelmutter. **212**, 243

Survey with the Tellurometer MA 100. Matti Jaakkola. **159**, 29

Survey work in Papua New Guinea. Development-related. P. Done. **213**, 291; **212**, 253

Survey. A Winter. F. H. Peters. **27**, 258

Survey. Precision. of the 28 BeV Synchrotron in the European Organization for Nuclear Research. A. E. Decae. **121**, 98, **122**, 146; **123**, 194

Surveying and Mapping. A Simple Way of Introducing a Global Reference Frame in. B- G. Reit. **264**, 87

Surveying Applications. Integration of GPS and an Inertial System for Precise. W. Chen and P. A. Cross. **238**, 375

Surveying as told by philately. The story of. J. R. Smith. **200**, 85

Surveying by pairs of angles. Rapid. H. M. Barkla. **198**, 339

Surveying Curriculum at University of Nigeria, Nsukka (UNN). An Overview of the. U. G. O. Okafor. **244**, 333

Surveying discourse. The principle of triple factorisation and its application in land. S. T. Rabismus and Llygad Croes (‡). **200**, 109; **203**, 254

Surveying Education: Curriculum Development at the University of New South Wales. F. K. Brunner, J. C. Trinder, C. Rizos and J. R. Pollard. **247**, 2

Surveying from Air Photographs Fixed by Remote Radar Control. C. A. Hart. **64**, 71

Surveying in engineering and industrial sites. Present developments in high accuracy. A. L. Allan. **209**, 125

Surveying in Motor Sport. J. Mills and I. Newton. **254**, 485

Surveying in South Georgia, 1964-65. P. F. Fagan. **146**, 159

Surveying Instruction at the University. A. Stephenson. **91**, 217

Surveying Instruction at the University. P. N. Ray. **89**, 104

Surveying Measurements, Microclimatology and its Effects on the Accuracy of. D. O'Connor. **118**, 364

Surveying on moving ice. R. H. Thomas. **157**, 322

Surveying Professional Training in. Modern Influences on the University Aspect of. C. A. Hart. **69**, 282

Surveying Robot. Building Monitoring with a. J. M. Rüeger and G. Alanko. **257**, 138; **258**, 218

Surveying Service. The Hydrographic Department of the Admiralty. (III) The Royal Naval. G. S. Ritchie. **89**, 98

Surveying. Some Notes on Astronomy Applied to. R. W. Pring. **85**, 309

Surveying Tapes. Geodetic. Measurement of. Temperature of. J. S. Clark and L. O. C. Johnson. **89**, 110

Surveying Tapes. Steel. Standardisation of. J. S. Clark and L. O. C. Johnson. **81**, 118

Surveying Techniques for Nigerian University Students. J. C. Pugh. **96**, 81

Surveying Telescopes. Defects of. A. L. Higgins. **55**, 18

Surveying Under Duress. W. H. E. Neil. **68**; 268

Surveying with non-levelled theodolites. S. A. Kyle. **207**, 39

Surveying, mapping, land tenure and remote sensing in development aid projects. G. McGrath, F. P. Ruane and I. T. Logan. **229**, 311

Surveying. The Application of Radar to. T. Warner. **78**, 338

Surveying. An elementary introduction to radio interferometric. W. E. Carter. **199**, 17

Surveying. Computer Aided Learning in. M. I. Smith and G. Roberts. **262**, 546

Surveying. Cybernetics and. W. R. Logan. **135**, 34

Surveying. The Use of Sensitive Pressure Devices in. D. O'Connor. **103**, 6; **104**, 50; **105**, 114; **106**, 160; **107**, 194

Surveyor and the Politician. The. An African Object-lesson. H. B. Thomas. **7**, 28

- Surveyor as land manager with some observations on the Dominion Land Survey (DLS) Grid and Land Management in the Canadian Great Plains. The. R. D. Revel. **216**, 96
- Surveyor, An Early Hydrographic. A. G. Bazley. **58**, 154
- Surveyor. Civilian. The Military Survey Service and the. Lieut.Col. R. C. A. Edge. **90**, 152
- Surveyor. The Dominion Land. Some Historical facts. His Training and Qualifications. J. E. R. Ross. **49**, 116
- Surveyor. Towards an Integrated and Imaginative Approach to Practical Exercises in the Education of Geodetic Engineer and. A. L. Allan. **234**, 177
- Surveyor. Trials of a, -Modern Version. John B. Alexander. **87**, 39
- Surveyors of the Early Nineteenth Century. Some Hydrographic. A. H. W. Robinson. **90**, 146
- Surveyor's Telescope, The. E. W. Taylor. **39**, 2; **41**, 175
- Surveyors. Colonial and overseas. D. E. Warren. **200**, 97
- Surveyors. On University Education for. J. E. Alberda. **234**, 160
- Surveys and History. H. St.J. L. Winterbotham. **51**, 186
- Surveys for a mass transit system in Hong Kong. J. T. Cooper. **172**, 257
- Surveys for the Lilongwe land development project. A. Hodgson. **186**, 147
- Surveys in India 1930-35. Geodetic. G. Bomford. **200**, 65
- Surveys in India fifty years on. Geodetic. T. O. Crompton. **200**, 79
- Surveys in Seychelles. A. C. McEwen. **124**, 242
- Surveys in Swat, Chitral, and Gilgit and neighbouring territories. C. G. Lewis. **215**, 24
- Surveys of British Africa in 1905-06. The State of the. Sir C. Arden-Close. **76**, 255
- Surveys of Rivers in Ceylon. Some. H. A. S. Smith. **61**, 255
- Surveys on the Moon. A. E. Decae. **122**, 186
- Surveys. The Early Hydrographic. of the British Isles. A. H. W. Robinson. **80**, 60
- Sutcliffe, C. P.* Note on the Standard of Length of the Survey of Kenya. **102**, 354
- Swaziland's Surveyor General's Department. Recent Experiences in Developing. A. Mhlanga and I. Greenway. **274**, 231
- Sylvester, A. G.* Snake River, Wyoming, Crossing with the Leica NA-3000 Digital Level. **260**, 383
- Symmetry. Orthogonality and. Cosat Group. **242**, 221
- Symposia on Mathematical Geodesy. Recent. J. F. Bell. **139**, 228
- Symposium on problems related to the redefinition of North American vertical geodetic networks. The second international. P. A. Cross. **198**, 381
- Symposium on the use of photographic methods in highway and traffic engineering. B. Chiat. **166**, 371
- Symposium. 6th Canadian. **252**, 389
- Symposium. The First Tellurometer-30th July-3rd August, 1962. R. Bill. **127**, 45
- Synchrotron, 28 Be V, in the European Organization for Nuclear Research. Precision Survey of the. A. E. Decae. **121**, 98; **122**, 146; **123**, 194
- Syrian Stereographic Projection. Enhancement of Inverse Projection Algorithms with Particular Reference to the. A. C. Rufthead. **270**, 505
- System of Conventions for Use in Field Astronomy, A. J. G. Freislich. **90**, 174
- Systematic Errors due to the Non-coincidence of the Reference Surface with the Geoid for the Hellenic Region via Deformation Analysis. Effects of. A. M. Agatza-Balodimou and C. Mitsakaki. **232**, 51
- Systems of Constrained Centring, An Investigation of. P. Berthon Jones. **127**, 22
- Systems view of the cadastre. P. F. Dale. **191**, 28

*Szu-Pyng Kao*. Effects of Large Vertical Deflections in a High Precision Network. **246**,  
474

*Szu-Pyng Kao*. GPS Station Selection in an Existing Primary Control Network. **251**,  
279