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5699 Alexander, C. M. O'D., J. N. Grossman, J. Wang, B. Zanda, M. Bourot-Denise, and R. H. Hewins, The lack of potassium-isotopic fractionation in Bishinpur chondrules, *Meteoritics Planet. Sci.* 35, 859-868, 2000.

5673 Becker, H., K. P. Jochum, and R. W. Carlson, Trace element fractionation during dehydration of eclogites from high-pressure terranes and the implications for element fluxes in subduction zones, *Chem. Geol.* 163, 65-99, 2000. (No reprints available.)

5692 Bodenheimer, P., A. Burkert, R. I. Klein, and A. P. Boss, Multiple fragmentation of protostars, in *Protostars and Planets IV*, V. Mannings, A. P. Boss and S. S. Russell, eds., pp. 675-701, University of Arizona Press, Tucson, 2000. (No reprints available.)

5654 Bokelmann, G. H. R., and P. G. Silver, Mantle variations within the Canadian Shield: travel times from the portable broadband Archean-Proterozoic Transect 1989, *J. Geophys. Res.* 105, 579-605, 2000.

5646 Boss, A. P., Formation of extrasolar giant planets: core accretion or disk instability?, *Earth, Moon, and Planets* 81, 19-26, 1998 (1999).

5688 Boss, A. P., Star formation: three's a crowd, *Nature* 405, 405-407, 2000.

5694 Boss, A. P., Collapse and fragmentation of magnetic molecular cloud cores, in *Star Formation 1999*, T. Nakamoto, ed., pp. 136-140, Nobeyama Radio Observatory, Nobeyama, Japan, 2000.

5697 Boss, A. P., Possible rapid gas giant planet formation in the solar nebula and other protoplanetary disks, *Astrophys. J. (Lett.)* 536, L101-L104, 2000.

5707 Boss, A. P., Formation and abundance of planets: what might be out there?, in *Pale Blue Dot II Workshop: Habitable and Inhabited Worlds Beyond Our Own Solar System*, L. I. Caroff and D. J. Des Marais, eds., pp. 47-63, NASA Conference Publication 209595, NASA Ames Research Center, Moffett Field, Calif., 2000. (No reprints available.)

5647 Boss, A. P., C. A. Beichman, and H. A. Thronson, NASA and the search for extrasolar planets, *Earth, Moon, and Planets* 81, 35-38, 1998 (1999).

5652 Boss, A. P., R. T. Fisher, R. I. Klein, and C. F. McKee, The Jeans condition and collapsing molecular cloud cores: filaments or binaries?, *Astrophys. J.* 528, 325-335, 2000.

5690 Boss, A. P., and H. A. T. Vanhala, Triggering protostellar collapse, injection, and disk formation, *Space Sci. Rev.* 92, 13-22, 2000.

5682 Brandon, A. D., J. E. Snow, R. J. Walker, J. W. Morgan, and T. D. Mock, 190Pt-186Os and
7
Re-
187
Os systematics of abyssal peridotites,
Earth Planet. Sci. Lett. 177,
319-335, 2000. (No reprints available.)

18

5648 Brown, L., *A Radar History of World War II: Technical and Military Imperatives*, Institute of Physics Publishing, Bristol and Philadelphia, 563 pp., 1999. (Available for purchase from the publisher and in bookstores.)

5696 Brown, L., transl. and ed., *GEMA: Birthplace of German Radar and Sonar*, by H. von Kroge, Institute of Physics Publishing, Bristol and Philadelphia, 206 pp., 2000. (Available for purchase from the publisher.)

5657 Butler, R. P., Prospecting for planets, *Natural History* 109 (no. 1), 67-69, 2000. (No reprints available.)

5665 Carlson, R. W., F. R. Boyd, S. B. Shirey, P. E. Janney, T. L. Grove, S. A. Bowring, M. D. Schmitz, J. C. Dann, D. R. Bell, J. J. Gurney, S. H. Richardson, M. Tredoux, A. H. Menzies, D. G. Pearson, R. J. Hart, A. H. Wilson, and D. Moser, Continental growth, preservation, and modification in southern Africa, *GSA Today* 10 (no. 2), 1-7, 2000.

5658 Carlson, R. W., A. J. Irving, and B. C. Hearn, Jr., Chemical and isotopic systematics of peridotite xenoliths from the Williams kimberlite, Montana: clues to processes of lithosphere formation, modification and destruction, in *Proceedings of the VIIth International Kimberlite Conference*, J. J. Gurney et al., eds., pp. 90-98, Red Roof Design, Cape Town, South Africa, 1999.

5713 Carlson, R. W., and G. W. Lugmair, Timescales of planetesimal formation and differentiation based on extinct and extant radioisotopes, in *Origin of the Earth and Moon*, R. M. Canup and K. Righter, eds., pp. 25-44, University of Arizona Press, Tucson, 2000. (No reprints available. Available online at www.lpi.usra.edu/books/OEM99/download.html)

5659 Carlson, R. W., D. G. Pearson, F. R. Boyd, S. B. Shirey, G. Irvine, A. H. Menzies, and J. J. Gurney, Re-Os systematics of lithospheric peridotites: implications for lithosphere formation and preservation, in *Proceedings of the VIIth International Kimberlite Conference*, J. J. Gurney et al., eds., pp. 99-108, Red Roof Design, Cape Town, South Africa, 1999.

5684 Constable, C. G., C. L. Johnson, and S. P. Lund, Global geomagnetic field models for the past 3000 years: transient or permanent flux lobes?, *Phil. Trans. Roy. Soc. London A* 358, 991-1008, 2000. (No reprints available.)

5711 Dunn, R. A., D. R. Toomey, and S. C. Solomon, Three-dimensional seismic structure and physical properties of the crust and shallow mantle beneath the East Pacific Rise at 9°30'N, *J. Geophys. Res.* 105, 23537-23555, 2000.

5704 Fassett, C. I., and J. A. Graham, Age, evolution, and dispersion of the loose groups of blue stars in the northeast radio lobe of Centaurus A, *Astrophys. J.* 538, 594-607, 2000.

5701 Ferrarese, L., H. C. Ford, J. Huchra, R. C. Kennicutt, Jr., J. R. Mould, S. Sakai, W. L. Freedman, P. B. Stetson, B. F. Madore, B. K. Gibson, J. A. Graham, S. M. Hughes, G. D. Illingworth, D. D. Kelson, L. Macri, K. Sebo, and N. A. Silbermann, A database of Cepheid distance moduli and tip of the red giant branch, globular cluster luminosity function, planetary nebula luminosity function, and surface brightness fluctuation data useful for distance determinations, *Astrophys. J. Suppl. Ser.* 128, 431-459, 2000. (No reprints available.)

5668 Ferrarese, L., J. R. Mould, R. C. Kennicutt, Jr., J. P. Huchra, H. C. Ford, W. L. Freedman, P. B. Stetson, B. F. Madore, S. Sakai, B. K. Gibson, J. A. Graham, S. M. Hughes, G. D. Illingworth, D. D. Kelson, L. Macri, K. Sebo, and N. A. Silbermann, The *Hubble Space Telescope* key project on the extragalactic distance scale. XXVI. The calibration of population II secondary distance indicators and the value of the Hubble constant, *Astrophys. J.* 529, 745-767, 2000. (No reprints available.)

5705 Franx, M., P. van Dokkum, D. Kelson, and G. D. Illingworth, Passive evolution, or the evolution of the M/L ratio of early-type galaxies to $z=0.83$, in *Dynamics of Galaxies: from the Early Universe to the Present*, F. Combes, G. A. Mamon and V. Charmandaris, eds., pp. 231-236, Conference Series, Vol. 197, Astronomical Society of the Pacific, San Francisco, 2000.

5671 Gao, S. S., P. G. Silver, and A. T. Linde, Analysis of deformation data at Parkfield, California: detection of a long-term strain transient, *J. Geophys. Res.* 105, 2955-2967, 2000.

5702 Gao, S. S., P. G. Silver, A. T. Linde, and I. S. Sacks, Annual modulation of triggered seismicity following the 1992 Landers earthquake in California, *Nature* 406, 500-504, 2000.

5667 Gibson, B. K., P. B. Stetson, W. L. Freedman, J. R. Mould, R. C. Kennicutt, Jr., J. P. Huchra, S. Sakai, G. A. Graham, C. I. Fassett, D. D. Kelson, L. Ferrarese, S. M. G. Hughes, G. D. Illingworth, L. M. Macri, B. F. Madore, K. M. Sebo, and N. A. Silbermann, The *Hubble Space Telescope* key project on the extragalactic distance scale. XXV. A recalibration of Cepheid distances to type Ia supernovae and the value of the Hubble constant, *Astrophys. J.* 529, 723-744, 2000. (No reprints available.)

5710 Golimowski, D. A., T. J. Henry, J. E. Krist, D. J. Schroeder, G. W. Marcy, D. A. Fischer, and R. P. Butler, The very low mass component of the Gliese 105 system, *Astron. J.* 120, 2082-2088, 2000. (No reprints available.)

5693 Goswami, J. N., and H. A. T. Vanhala, Extinct radionuclides and the origin of the solar system, in *Protostars and Planets IV*, V. Mannings, A. P. Boss and S. S. Russell, eds., pp. 963-994, University of Arizona Press, Tucson, 2000. (No reprints available.)

5687 Grossman, J. N., C. M. O'D. Alexander, J. Wang, and A. J. Brearley, Bleached chondrules: evidence for widespread aqueous processes on the parent asteroids of ordinary chondrites, *Meteoritics Planet. Sci.* 35, 467-486, 2000. (No reprints available.)

5660 Hauri, E. H., D. G. Pearson, G. P. Bulanova, and H. J. Milledge, Microscale variations in C and N isotopes within mantle diamonds revealed by SIMS, in *Proceedings of the VIIth International Kimberlite Conference*, J. J. Gurney et al., eds., pp. 341-347, Red Roof Design, Cape Town, South Africa, 1999.

5655 Henry, G. W., G. W. Marcy, R. P. Butler, and S. S. Vogt, A transiting "51 Peg-like" planet, *Astrophys. J. (Lett.)* 529, L41-L44, 2000.

5727 Herrick, R. R., and P. J. McGovern, Kunhild and Ereshkigal, an extinct hot-spot region on Venus, *Geophys. Res. Lett.* 27, 839-842, 2000. (No reprints available.)

5681 Hooft, E. E. E., R. S. Detrick, D. R. Toomey, J. A. Collins, and J. Lin, Crustal thickness and structure along three contrasting spreading segments of the Mid-Atlantic Ridge, 33.5°-35°N, *J. Geophys. Res.* 105, 8205-8226, 2000.

5683 Johnson, C. L., S. C. Solomon, J. W. Head, III, R. J. Phillips, D. E. Smith, and M. T. Zuber, Lithospheric loading by the northern polar cap on Mars, *Icarus* 144, 313-328, 2000.

5669 Kelson, D. D., G. D. Illingworth, J. L. Tonry, W. L. Freedman, R. C. Kennicutt, Jr., J. R. Mould, J. A. Graham, J. P. Huchra, L. M. Macri, B. F. Madore, L. Ferrarese, B. K. Gibson, S. Sakai, P. B. Stetson, E. A. Ajhar, J. P. Blakeslee, A. Dressler, H. C. Ford, S. M. G. Hughes, K. M. Sebo, and N. A. Silbermann, The *Hubble Space Telescope* key project on the extragalactic distance scale. XXVII. A derivation of the Hubble constant using the fundamental plane and D_n - s relations in Leo I, Virgo, and Fornax, *Astrophys. J.* 529, 768-785, 2000.

5678 Kelson, D. D., G. D. Illingworth, P. G. van Dokkum, and M. Franx, The evolution of early-type galaxies in distant clusters. I. Surface photometry and structural parameters for 53 galaxies in the $z=0.33$ cluster Cl 1358+62, *Astrophys. J.* 531, 137-158, 2000.

5679 Kelson, D. D., G. D. Illingworth, P. G. van Dokkum, and M. Franx, The evolution of early-type galaxies in distant clusters. II. Internal kinematics of 55 galaxies in the $z=0.33$ cluster Cl 1358+62, *Astrophys. J.* 531, 159-183, 2000.

5680 Kelson, D. D., G. D. Illingworth, P. G. van Dokkum, and M. Franx, The evolution of early-type galaxies in distant clusters. III. M/LV ratios in the $z=0.33$ cluster Cl 1358+62, *Astrophys. J.* 531,

184-199, 2000.

5730 Koeberl, C., S. B. Shirey, and W. U. Reimold, Re-Os isotopic characteristics of breccias and target rocks from the Pretoria Saltpan impact crater, in *Tswaing: Investigations into the Origin, Age and Palaeoenvironments of the Pretoria Saltpan*, T. C. Partridge, ed., pp. 55-63, Memoir No. 85, Geological Survey of South Africa, Pretoria, 1999. (No reprints available.)

5714 Kortenkamp, S. J., E. Kokubo, and S. J. Weidenschilling, Formation of planetary embryos, in *Origin of the Earth and Moon*, R. M. Canup and K. Righter, eds., pp. 85-100, University of Arizona Press, Tucson, 2000. (No reprints available. Available online at www.lpi.usra.edu/books/OEM99/download.html)

5663 Kortenkamp, S. J., and G. W. Wetherill, Terrestrial planet and asteroid formation in the presence of giant planets. I. Relative velocities of planetesimals subject to Jupiter and Saturn perturbations, *Icarus* 143, 60-73, 2000.

5685 Lassiter, J. C., E. H. Hauri, P. W. Reiners, and M. O. Garcia, Generation of Hawaiian post-erosional lavas by melting of a mixed lherzolite/pyroxenite source, *Earth Planet. Sci. Lett.* 178, 269-284, 2000.

5725 Linde, A. T., M. T. Gladwin, and R. L. Gwyther, A slow earthquake sequence on the San Andreas Fault, in *CSIRO Exploration and Mining Research Review*, pp. 140-142, Star Printery, Erskineville, N.S.W., Australia, 1999. (No reprints available.)

5691 Mannings, V., A. P. Boss, and S. S. Russell, eds., *Protostars and Planets IV*, University of Arizona Press, Tucson, 1422 pp., 2000. (Available for purchase from the publisher.)

5675 Marcy, G., and P. Butler, Hunting planets beyond, *Astronomy* 28 (no. 3), 42-47, 2000. (No reprints available.)

5656 Marcy, G. W., and R. P. Butler, Planets orbiting other suns, *Publ. Astron. Soc. Pacific* 112, 137-140, 2000.

5695 Marcy, G. W., R. P. Butler, and S. S. Vogt, Sub-Saturn planetary candidates of HD 16141 and HD 46375, *Astrophys. J. (Lett.)* 536, L43-L46, 2000.

5718 Meltzer, A., R. Rudnick, P. Zeitler, A. Levander, G. Humphreys, K. Karlstrom, G. Ekström, R. Carlson, T. Dixon, M. Gurnis, P. Shearer, and R. van der Hilst, USArray initiative, *GSA Today* 9 (no. 11), 8-10, 1999. (No reprints available.)

5661 Menzies, A. H., R. W. Carlson, S. B. Shirey, and J. J. Gurney, Re-Os systematics of Newlands peridotite xenoliths: implications for diamond and lithosphere formation, in *Proceedings of the VIIth International Kimberlite Conference*, J. J. Gurney et al., eds., pp. 566-573, Red Roof Design, Cape Town, South Africa, 1999.

5670 Mould, J. R., J. P. Huchra, W. L. Freedman, R. C. Kennicutt, Jr., L. Ferrarese, H. C. Ford, B. K. Gibson, J. A. Graham, S. M. G. Hughes, G. D. Illingworth, D. D. Kelson, L. M. Macri, B. F. Madore, S. Sakai, K. Sebo, N. A. Silbermann, and P. B. Stetson, The *Hubble Space Telescope* key project on the extragalactic distance scale. XXVIII. Combining the constraints on the Hubble constant, *Astrophys. J.* 529, 786-794, 2000. (No reprints available.)

5653 Mould, J. R., S. M. G. Hughes, P. B. Stetson, B. K. Gibson, J. P. Huchra, W. L. Freedman, R. C. Kennicutt, Jr., F. Bresolin, L. Ferrarese, H. C. Ford, J. A. Graham, M. Han, J. G. Hoessel, G. D. Illingworth, D. D. Kelson, L. M. Macri, B. F. Madore, R. L. Phelps, C. F. Prosser, D. Rawson, A. Saha, S. Sakai, K. M. Sebo, N. A. Silbermann, and A. M. Turner, The *Hubble Space Telescope* key project on the extragalactic distance scale. XXI. The Cepheid distance to NGC 1425, *Astrophys. J.* 528, 655-676, 2000. (No reprints available.)

5728 Nittler, L. R., and C. M. O'D. Alexander, Can stellar dynamics explain the metallicity distributions of presolar grains?, *Astrophys. J.* 526, 249-256, 1999.

5731 Pearson, D. G., and S. B. Shirey, Isotopic dating of diamonds, in *Application of Radiogenic Isotopes to Ore Deposit Research and Exploration*, D. D. Lambert and J. Ruiz, eds., pp. 143-172, Reviews in Economic Geology, Vol. 12, Society of Economic Geologists, Littleton, Colorado, 1999.

5662 Pearson, D. G., S. B. Shirey, G. P. Bulanova, R. W. Carlson, and H. J. Milledge, Dating and paragenetic distinction of diamonds using the Re-Os isotope system: application to some Siberian diamonds, in *Proceedings of the VIIth International Kimberlite Conference*, J. J. Gurney et al., eds., pp. 637-643, Red Roof Design, Cape Town, South Africa, 1999.

5676 Polet, J., P. G. Silver, S. Beck, T. Wallace, G. Zandt, S. Ruppert, R. Kind, and A. Rudloff, Shear wave anisotropy beneath the Andes from the BANJO, SEDA, and PISCO experiments, *J. Geophys. Res.* 105, 6287-6304, 2000.

5708 Regan, M. W., Overluminous CO in the central regions of spiral galaxies, *Astrophys. J.* 541, 142-152, 2000. (No reprints available.)

5674 Regan, M. W., K. Sheth, and S. N. Vogel, Molecular gas kinematics in barred spiral galaxies, *Astrophys. J.* 526, 97-113, 1999. (No reprints available.)

5672 Richardson, W. P., E. A. Okal, and S. van der Lee, Rayleigh-wave tomography of the Ontong-Java Plateau, *Phys. Earth Planet. Inter.* 118, 29-51, 2000. (No reprints available.)

5724 Rubin, V., What we cannot see and yet know must be there, in *The Book of the Cosmos: Imagining the Universe from Heraclitus to Hawking*, D. R. Danielson, ed., pp. 498-505, Helix Books/Perseus Publishing, Cambridge, Mass., 2000. [Reprinted from

Scientific American Presents (special quarterly issue: Magnificent Cosmos) 9, no. 1, 106-110, 1998.] (No reprints available.)

5686 Rubin, V. C., Roman's correlation between spectra and motions of intermediate-type stars, *Astrophys. J. 525 (Centennial Issue)*, 401, 1999.

5689 Rubin, V. C., One hundred years of rotating galaxies, *Publ. Astron. Soc. Pacific 112*, 747-750, 2000.

5715 Rushmer, T., W. G. Minarik, and G. J. Taylor, Physical processes of core formation, in *Origin of the Earth and Moon*, R. M. Canup and K. Righter, eds., pp. 227-243, University of Arizona Press, Tucson, 2000. (No reprints available. Available online at www.lpi.usra.edu/books/OEM99/download.html)

5733 Sacks, I. S., K. Suyehiro, G. D. Acton, M. J. Acierno, E. Araki, M. V. S. Ask, A. Ikeda, T. Kanamatsu, G. Y. Kim, J. Li, A. T. Linde, P. N. McWhorter, G. Mora, Y. M. R. Najman, N. Niitsuma, B. K. Pandit, S. Roller, S. Saito, T. Sakamoto, M. Shinohara, and Y.-F. Sun, *Western Pacific Geophysical Observatories, Sites 1150 and 1151*, Proceedings of the Ocean Drilling Program, Initial Reports, Vol. 186, ODP/Texas A& M University, College Station, Texas, 2000. (No reprints available. Available online at www-odp.tamu.edu/publications)

5666 Sakai, S., J. R. Mould, S. M. G. Hughes, J. P. Huchra, L. M. Macri, R. C. Kennicutt, Jr., B. K. Gibson, L. Ferrarese, W. L. Freedman, M. Han, H. C. Ford, J. A. Graham, G. D. Illingworth, D. D. Kelson, B. F. Madore, K. Sebo, N. A. Silberman, and P. B. Stetson, The *Hubble Space Telescope* key project on the extragalactic distance scale. XXIV. The calibration of Tully-Fisher relations and the value of the Hubble constant, *Astrophys. J. 529*, 698-722, 2000. (No reprints available.)

5723 Schaap, W. E., R. Sancisi, and R. A. Swaters, The vertical extent and kinematics of the HI in NGC 2403, *Astron. Astrophys.* 356, L49-52, 2000.

5719 Schweizer, F., Effects of late mergers on stellar populations in E and S0 galaxies, *Astrophys. Space Sci.* 267, 299-307, 1999. (No reprints available.)

5720 Schweizer, F., Young globular clusters, in *Spectrophotometric Dating of Stars and Galaxies*, I. Hubeny, S. Heap and R. Cornett, eds., pp. 135-142, Conference Series, Vol. 192, Astronomical Society of the Pacific, San Francisco, 1999. (No reprints available.)

5729 Sheth, K., M. W. Regan, S. N. Vogel, and P. J. Teuben, Molecular gas, dust, and star formation in the barred spiral NGC 5383, *Astrophys. J.* 532, 221-237, 2000. (No reprints available.)

5664 Solomon, S. C., Return to the iron planet, *New Scientist* 165 (no. 2223), 32-35, 29 January 2000. (No reprints available.)

5651 Stern, C. R., R. Kilian, B. Olker, E. H. Hauri, and T. K. Kyser, Evidence from mantle xenoliths for relatively thin (100 km) continental lithosphere below the Phanerozoic crust of southernmost South America, *Lithos* 48, 217-235, 1999.

5732 Suyehiro, K., S. Sacks, G. Acton, and the Leg 186 Scientific Party, Japan Trench geophysical observatories: ODP Leg 186, *JOIDES Journal* 26 (no. 1), 10-16, 2000.

5722 Swaters, R. A., B. F. Madore, and M. Trewhella, High-resolution rotation curves of low surface brightness galaxies, *Astrophys. J. (Lett.)* 531, L107-L110, 2000.

5726 Takanami, T., I. S. Sacks, and A. Hasegawa, Attenuation structure beneath the volcanic

front in northeastern Japan from broad-band seismograms, *Phys. Earth Planet. Inter.* 121, 339-357, 2000.

5698 Tomascak, P. B., J. G. Ryan, and M. J. Defant, Lithium isotope evidence for light element decoupling in the Panama subarc mantle, *Geology* 28, 507-510, 2000.

5717 Tredoux, M., R. J. Hart, R. W. Carlson, and S. B. Shirey, Ultramafic rocks at the center of the Vredefort structure: further evidence for the crust on edge model, *Geology* 27, 923-926, 1999.

5649 Valette-Silver, N. J., Preface [to special issue: Using sediments and biota to assess coastal and estuarine contamination], *Mar. Environ. Res.* 48, 265-267, 1999. (No reprints available.)

5650 Valette-Silver, N. J., G. F. Riedel, E. A. Crecelius, H. Windom, R. G. Smith, and S. S. Dolvin, Elevated arsenic concentrations in bivalves from the southeast coasts of the USA, *Mar. Environ. Res.* 48, 311-333, 1999. (No reprints available.)

5706 van Dokkum, P., M. Franx, D. Fabricant, D. Kelson, and G. Illingworth, Luminous red mergers in the $z=0.83$ cluster MS 1054-03: direct evidence for hierarchical formation of massive early-type galaxies, in *Dynamics of Galaxies: from the Early Universe to the Present*, F. Combes, G. A. Mamon and V. Charmandaris, eds., pp. 393-396, Conference Series, Vol. 197, Astronomical Society of the Pacific, San Francisco, 2000.

5709 van Dokkum, P. G., M. Franx, D. Fabricant, G. D. Illingworth, and D. D. Kelson, *Hubble Space Telescope* photometry and Keck spectroscopy of the rich cluster MS 1054-03: morphologies, Butcher-Oemler effect, and the color-magnitude relation at $z = 0.83$, *Astrophys. J.* 541, 95-111, 2000. (No reprints available.)

5703 Vanhala, H. A. T., and A. P. Boss, Injection of radioactivities into the presolar cloud: convergence testing, *Astrophys. J.* 538, 911-921, 2000.

5700 Vogt, S. S., G. W. Marcy, R. P. Butler, and K. Apps, Six new planets from the Keck precision velocity survey, *Astrophys. J.* 536, 902-914, 2000.

5712 Wetherill, G. W., and S. Inaba, Planetary accumulation with a continuous supply of planetesimals, *Space Sci. Rev.* 92, 311-320, 2000.

5721 Whitmore, B. C., Q. Zhang, C. Leitherer, S. M. Fall, F. Schweizer, and B. W. Miller, The luminosity function of young star clusters in "The Antennae" galaxies (NGC 4038/4039), *Astron. J.* 118, 1551-1576, 1999. (No reprints available.)

5716 Wolfe, C. J., Mid-ocean ridge structures, in *McGraw-Hill Yearbook of Science & Technology 2000*, pp. 257-259, McGraw-Hill, New York, 1999. (No reprints available.)

5677 Zuber, M. T., S. C. Solomon, R. J. Phillips, D. E. Smith, G. L. Tyler, O. Aharonson, G. Balmino, W. B. Banerdt, J. W. Head, C. L. Johnson, F. G. Lemoine, P. J. McGovern, G. A. Neumann, D. D. Rowlands, and S. Zhong, Internal structure and early thermal evolution of Mars from Mars Global Surveyor topography and gravity, *Science* 287, 1788-1793, 2000.