

APPENDIX C

PUBLICATIONS, TALKS, AND INTERVIEWS
ON SPACE ARCHITECTURE¹

Space Architecture Design Group

Department of Architecture
andCenter for Architecture and Urban Planning Research
University of Wisconsin-Milwaukee

Books

Cordes, E.G., Moore, G.T., & Hansmann, T. (in preparation). *Space architecture: A primer for the design of extraterrestrial environments*. Manuscript in preparation, Center for Architecture and Urban Planning Research, University of Wisconsin-Milwaukee.

Research and Technical Reports

Schnarsky, A.J., Cordes, E.G., Crabb, T., & Jacobs, M. (1988). *Space architecture: Lunar base scenarios* (ed. by E.G. Cordes, G.T. Moore, & S.J. Frahm). Milwaukee: University of Wisconsin-Milwaukee, Center for Architecture and Urban Planning Research, Report R88-1. ISBN 0-938744-59-3. Pp. vi + 80; figures charts, and 8 design projects. \$10.00

Cordes, E.G. (1989). *Lunar base studies*. Unpublished M.Arch. thesis, School of Architecture and Urban Planning, University of Wisconsin-Milwaukee. Pp. iv. + 42; diagrams, plans, and computer-aided design illustrations.

Cordes, E.G. (1989). *Project Newton: A variable gravity research facility* (2 vols.). Strasbourg, France: International Space University/European Space Agency Publication.

Hansmann, T. (1989). *Inflatable lunar habitat mission operations level*. Final report prepared for the NASA/USRA Advanced Design Program, Johnson Space Center, Houston, Texas.

Baschiera, D.J., Fieber, J.P., Moths, J.H., Paruleski, K.L., & others (1989). *Genesis Lunar Outpost: Program/requirements documents for an early stage lunar outpost* (ed. by E.G. Cordes). Milwaukee: University of Wisconsin-Milwaukee, Center for Architecture and Urban Planning Research, Report R89-1. ISBN 0-938744-61-5. Pp. 91; figures, charts, tables. \$10.00.

Hansmann, T., & Moore, G.T. (Eds.) (1990). *Genesis Lunar Outpost: Criteria and design*. Milwaukee: University of Wisconsin-Milwaukee, Center for Architecture and Urban Planning Research, Report R90-1. ISBN 0-938744-69-0. Pp. xiv + 107; plans, illustrations, tables, references. \$10.00.

Connell, R.B., Fieber, J.P., Paruleski, K.L., & Torres, H.D. (1990). *Design of an inflatable habitat for NASA's proposed lunar base*. Final report prepared for Universities Space Research Association and NASA Johnson Space Center.

Cordes, E.G., Moore, G.T., Hansmann, T., Fieber, J.P., Paruleski, K.L., & Moths, J.H. (Eds.) (1991). *Space architecture design workshop/studio: Space architecture reader* (Rev. ed.). Milwaukee: University of Wisconsin-Milwaukee, Department of Architecture, Advanced Design Program in Space Architecture. Pp. ca. 300/volume. \$10.00/volume — students only.

Fieber, J.P. (1990). *An investigation of technological options in lunar construction*. Independent study report, Advanced Design Program in Space Architecture, Department of Architecture, University of Wisconsin-Milwaukee. Pp. xi + 47.

Paruleski, K.L. (1990). *Extra-terrestrial habitation: A quest for solutions*. Independent study report, Advanced Design Program in Space Architecture, Department of Architecture, University of Wisconsin-Milwaukee. Pp. vi + 56.

¹ The reports included on this list with prices indicated are available prepaid from the Center for Architecture and Urban Planning Research, University of Wisconsin-Milwaukee, P.O. Box 413, Milwaukee, WI 53201-0413. Other reports may be available by writing to the publisher indicated or directly to the author.

Genesis II: Advanced Lunar Outpost

Huebner-Moths, J. (1991). *Environmental conditions of the moon and Mars*. Independent study report, Advanced Design Program in Space Architecture, Department of Architecture, University of Wisconsin-Milwaukee.

Published Papers

Cordes, E.G. (1988). Computer-aided design and space architecture. *Academic Computing*, September, Vol. 3(2), Cover, 18-21, 49. \$1.00.

Schnarsky, A.J. (1988). CAD as a tool of change: Architecture a changing profession. *Academic Computing*, September, Vol. 3(2), 22-24. \$1.00.

Schnarsky, A.J. (1988). From the near side of the moon. *Wisconsin Architect*, July, 14-16. \$1.00.

Moore, G.T. (1990). Environment-behavior issues in extraterrestrial space. In H. Pamir, V. Imamoglu, & N. Teymur (Eds.), *Culture, space, history: Proceedings of the 11th international conference of the International Association for the Study of People and their Physical Surroundings*. Ankara, Turkey: Middle East Technical University Press. Vol. 5. pp. 387-403. \$1.00.

Moore, G.T. (1990). An evolutionary habitat for the moon. *Wisconsin Architect*, September-October. \$1.00.

Moore, G.T., Baschiera, D.J., Fieber, J.P., & Moths, J.H. (1990). *Genesis lunar outpost: An evolutionary lunar habitat*. In P. Thompson (Ed.), *NASA/USRA University Advanced Design Program: Proceedings of the 6th annual summer conference*. Houston: Universities Space Research Association and Lunar Planetary Institute. Pp. 241-254. \$1.00.

Moore, G.T. (1991). *Genesis lunar habitat*. In American Institute of Aeronautics and Astronautics, *Final Report to the Office of Aeronautics, Exploration, and Technology*, National Aeronautics and Space Administration on Assessment of Technologies for the Space Exploration Initiative (SEI). Washington, DC: American Institute of Aeronautics and Astronautics. Log No. 284.

Moore, G.T., Fieber, J.P., Moths, J.H., & Paruleski, K.L. (in press). *Genesis advanced lunar outpost II: A progress report*. In J. Blackledge & S.

Seida (Eds.), *Space—A Call for Action: International Space Development Conference Proceedings Technical Papers*. Colorado Springs, CO: National Space Society. \$2.00.

Moore, G.T. (1991, in press). *Genesis II: Advanced lunar outpost*. In P. Thompson (Ed.), *NASA/USRA University Advanced Design Program: Proceedings of the 7th annual summer conference*. Houston: Lunar and Planetary Institute. \$2.00.

Moore, G.T. (under review). *Genesis: Psychological and social issues in the design of lunar habitats*. Submitted to the *Journal of Architecture and Planning Research*. \$2.00.

Symposia

Moore, G.T. (Chair). (1990). Architects explore the final frontier. Environmental Design Research Association 21st annual conference, Urbana, Illinois. \$1.00.

Moore, G.T. (Chair). (1990). Symposium on space architecture. International Association for the Study of People and their Physical Surroundings 11th biennial conference, METU Middle East Technical University, Ankara, Turkey. \$1.00.

Research / Major Proposals and Funded Projects

Advanced Design Program in Space Architecture. Funded by the National Aeronautics and Space Administration/Universities Space Research Association (\$115,000, G.T. Moore, PI, funded), 1989-1992.

Inflatable Habitable Modular Space Structure. Proposal submitted to the Lawrence Livermore National Laboratory in cooperation with Astronautics Corporation of America, Marquette University, Amalga Composites, Inc., Global Outpost, Inc., and Orbital Technologies Corporation (\$3.4 million, G.T. Moore, PI/PD, withdrawn), June 1990.

Wisconsin Space Grant Consortium. Funded by the National Aeronautics and Space Administration in cooperation with University of Wisconsin-Madison, Marquette University, Astronautics Corporation of America, Orbital Technologies Corporation, and Wisconsin Space Institute (\$600,000, G.T. Moore, PI/PD, funded), 1991-1995.

Lectures and Talks

- Bell, L. (1987). Space architecture: Its frontiers and opportunities for practice and research. School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, November.
- Cordes, E.G., & Lovett, T.J. (1988). Lunar base designs. Video presentation. NASA/Universities Space Research Association 4th Annual Advanced Design Conference, Kennedy Space Center, Cocoa Beach, Florida, May.
- Cordes, E.G., & Moore, G.T. (1988). Space architecture and computer-aided design Applications. Video presentation. A/E/C Systems '88 Space Station Design and Development Conference, Chicago, May.
- Cordes, E.G., & Patton, C.V. (1988). Space exploration: Feasible roles for planners. Association of Collegiate Schools of Planning Conference, Buffalo, New York, October.
- Cordes, E.G. (1989). Lunar base studies. CAD-based video presentation. NASA/Universities Space Research Association 5th Annual Advanced Design Conference, Marshall Space Flight Center, Huntsville, Alabama, June.
- Kalil, M., & Veliz, C. (1989). Two approaches to space design (C. Veliz's work presented by G.T. Moore). School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, September.
- Kalil, M. (1989). An outward continuum. Friday Afternoon Live Lecture. School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, September.
- Cordes, E.G. (1989). Technology transfer for the human environment: Space systems design and the role of architects. Midwest Space Development Conference, West Lafayette, Indiana, October.
- Cordes, E.G. (1989). Design of lunar and Martian living quarters. Retired Men's Club of Whitefish Bay, Wisconsin, November.
- Moore, G.T. (1989). Industry/university cooperation in space architecture. Astronautics Corporation of America, Milwaukee, Wisconsin, November.
- Moore, G.T. (1989). Environment-behavior issues in extraterrestrial space. Escuela de Arquitectura, Universidad de Puerto Rico, San Juan, Puerto Rico, December.
- Moore, G.T., & Moths, J.H. (1990). Lunar space architecture. Greater Milwaukee Chapter of the Retired Officers Association, January.
- Moore, G.T., Moths, J.H., & Baschiera, D.J. (1990). Extraterrestrial habitats and how they will effect our futures. Wisconsin Young Astronauts Aviation and Aerospace Conference, Waukesha, Wisconsin, March.
- Neubek, D. (1990). Recent work of the University of Houston SICSA Space Architecture Program. School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, March.
- Andino, A. (1990). Recent work of the University of Puerto Rico Space Architecture Program. School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, April.
- Baschiera, D.J., Gruenberger, M., Moths, J.H., Paruleski, K.L., Schroeder, C.W., & Crabb, T.M. (1990). Architects explore the final frontier. Environmental Design Research Association 21st Annual Conference, Urbana-Champaign, Illinois, April.
- Baschiera, D.J., Fieber, J.P., Graff, P., Gruenberger, M., Kinde, M.R., Moss, S.E., Moths, J.H., Paruleski, K.L., Schleicher, S.A., & Schroeder, C.W. (1990). *Genesis* lunar outpost: Design project. Environmental Design Research Association 21st Annual Conference, Urbana-Champaign, Illinois, April.
- Baschiera, D.J., Schleicher, S.A., & Moore, G.T. (1990). Space architecture: The final frontier. University of Wisconsin-Milwaukee Guild for Learning in Retirement, April.
- Moths, J.H., Fieber, J.P., Gruenberger, M., & Paruleski, K.L. (1990). *Genesis* lunar outpost. National Aeronautics and Space Administration/Universities Space Research Association Advanced Design Program 6th annual summer conference, NASA Lewis Research Center, Cleveland, Ohio, June.
- Moore, G.T. (1990). Environment-behavior issues in extraterrestrial space. 11th biennial conference of the International Association for the

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- Study of People and their Physical Surroundings, METU Middle East Technical University, Ankara, Turkey, July.
- Moths, J.H. (1990). Space architecture: Update and future considerations. Milwaukee Chapter, American Association of University Women, Milwaukee, Wisconsin, November.
- Huebner-Moths, J. (1991). Space, astronauts, and future living. McKinley Elementary School, Wauwatosa, Wisconsin, January.
- Huebner-Moths, J. (1991). Space, astronauts, and future habitats. St. Agnes School, Menomonee Falls, Wisconsin, January.
- Moore, G.T. (1991). Space architecture. College of Architecture, Georgia Institute of Technology, Atlanta, February.
- Schroeder, C., & Huebner-Moths, J. (1991). Space and space architecture update. Shady Lane School, Menomonee Falls, Wisconsin, March.
- Schroeder, C., Huebner-Moths, J., & Paruleski, K.L. (1991). Space and space architecture update. Country Meadow School, Muskego, Wisconsin, March.
- Fieber, J.P., & Paruleski, K.L. (1991). *Genesis* lunar outpost: 1990 USRA project. Wisconsin Young Astronauts Aviation and Space Conference, Brookfield, Wisconsin, March.
- Bluth, B.J. (1991). The Soviet space stations and extraterrestrial space experience. Wisconsin Young Astronauts Aviation and Space Conference, Brookfield, Wisconsin, March.
- Moore, G.T., Fieber, J.P., Moths, J.H., & Paruleski, K.L. (1991). *Genesis* advanced lunar outpost II: A progress report. National Space Society 10th annual International Space Development Conference, San Antonio, Texas, May.
- Fieber, J.P., Huebner-Moths, J., Paruleski, K.L., and the students of Architecture 690 (1991). *Genesis II: Advanced Lunar Outpost*. National Aeronautics and Space Administration/Universities Space Research Association Advanced Design Program 7th Annual Summer Conference, NASA Kennedy Space Center, Florida, June.
- Huebner-Moths, J., Kishony, D., & Paruleski, K.L. (1991). *Genesis II Advanced Lunar Outpost*. Friday Afternoon Live, Department of Architecture, University of Wisconsin-Milwaukee, October (forthcoming).
- Moore, G.T., Fieber, J.P., Huebner-Moths, J., & Paruleski, K.L. (1991). *Genesis advanced lunar outpost II*. International Design for Extreme Environments Assembly, Houston, Texas, November (under review).
- ### Exhibits
- Space Architecture Design Group (1990). *Genesis: Space architecture*. Exhibit at the 1990 Aviation and Aerospace Conference, Brookfield and Waukesha, Wisconsin, March.
- Space Architecture Design Group (1990). Space architecture: Laboratory and habitation modules for the moon. Poster and exhibit at the Environmental Design Research Association 21st Annual Conference, Urbana-Champaign, Illinois, April.
- Space Architecture Design Group (1990). Recent work of the Space Architecture Design Group. Exhibit After Friday Afternoon Live, School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, April.
- Space Architecture Design Group (1990). *Genesis Lunar Outpost*. Exhibit at the National Aeronautics and Space Administration/Universities Space Research Association Advanced Design Program 6th Annual Summer Conference, NASA/Lewis Research Center, Cleveland, Ohio, June.
- Space Architecture Design Group (1991). *Genesis II Advanced Lunar Outpost*. Exhibit at the National Aeronautics and Space Administration/Universities Space Research Association Advanced Design Program 7th Annual Summer Conference, NASA/Kennedy Space Center, Cocoa Beach, Florida, June.
- Space Architecture Design Group (1991). *Genesis I Lunar Outpost and Genesis II Advanced Lunar Outpost*. Exhibit at the Wisconsin Space Grant Consortium Annual Seminar, Regents' Conference Room, University of Wisconsin System, Madison, July.

Space Architecture Design Group (1991). *Genesis II* Advanced Lunar Outpost. Exhibit After Friday Afternoon Live, School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, October (forthcoming).

Awards

Student Special Merit Award—Design for Genesis Lunar Outpost to the Space Architecture Design Group from the Environmental Design Research Association, April 1990.

National Student Research Award to Kerry L. Paruleski from the Association of Collegiate Schools of Architecture, February 1991.

National Student Research Honorable Mention to Joseph P. Fieber from the Association of Collegiate Schools of Architecture, February 1991.

Honorable Mention/Research—An Investigation of Technological Options in Lunar Construction to Joseph Fieber from the UW-Milwaukee School of Architecture and Urban Planning, May 1991.

Honorable Mention/Research—Extraterrestrial Habitation: A Quest for Solutions to Kerry Paruleski from the UW-Milwaukee School of Architecture and Urban Planning, May 1991.

Honorable Mention/Architectural Design to the Space Architecture Design Group from the UW-Milwaukee School of Architecture and Urban Planning, May 1991.