

JILL CORNELL TARTER

Curriculum Vitae

Center for SETI Research
SETI Institute
2035 Landings Drive
Mountain View, CA 94043

Education

University of California, Berkeley

M.A.	Astronomy	02/71
Ph.D.	Astronomy	06/75

Dissertation Title: Interaction of Gas and Galaxies within Galaxy Clusters

Cornell University - Graduate School

Major Field: Theoretical Physics	1965-67
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Cornell University - School of Engineering

B.E.P. (with distinction)	02/66
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Major Field: Engineering Physics

Fifth Year Project: Determination of Angular Resolution of Spark Chamber
for Cosmic Ray Balloon

Experience

1984 - Present

SETI Institute
2035 Landings Drive
Mountain View, CA 94043

June 2000 – present:

Director, Center for SETI Research

Sept. 9, 1999 – June 2000:

Director, SETI Research

Sept. 15, 1997 – present:

Holder of the Bernard M. Oliver Chair for SETI

Oct. 1, 1993 – Sept. 8, 1999:

Director, Project Phoenix

1989 – 1993:

Project Scientist, NASA SETI Microwave Observing Project and High
Resolution Microwave Survey

1984 – 1989:

Principal Investigator

1983 – 1993

University of California, Berkeley
Astronomy Department
Berkeley, CA 94720

Associate Research Astronomer

1983 - 1985

University of California, Berkeley
Space Sciences Lab
Associate Research Astronomer I

1977 - 1983

University of California, Berkeley
Space Sciences Lab
Assistant Research Astronomer II-IV

Tarter, J.C. Publications, Writings, and Creative Activities

- Liebert, J., Allen, C., Schweizer, F., and Tarter, J.C. "Evolution of Super-Helium Rich $2 M_{\odot}$ Stars," *P.A.S.P.* 83, p. 626 (1971).
- Silk, J. and Tarter, J.C. "Groups and Clusters of Galaxies: The Case for a Clumpy Intergalactic Medium," *Ap. J.* 183, p. 387 (1973).
- Tarter, J.C. and Silk, J. "Current Constraints on Hidden Mass in the Coma Cluster," *Q.J.R.A.S.* 15, p. 122 (1974).
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- Cuzzi, J.N., Black, D.C., Clark, T.A., and Tarter, J.C. "SETI: A Preliminary Search for Narrowband Signals at Microwave Frequencies." Proceedings of COSPAR Meeting, June 1977, Tel Aviv, Israel (1977).
- Black, D.C., Cuzzi, J.N., Clark, T.A., Tarter, J.C., and Connors, M. "Searching for Extraterrestrial Intelligence: The Ultimate Exploration," *Mercury*, July-August, 3 (1977).
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- Tarter, J.C. and Wright, M.C.H. "Improved Limits of Intergalactic Intracluster HI in the Coma Cluster," *Astron. & Astrophys.* 76, p. 127 (1979).
- Tarter, J.C., Cuzzi, J.N., Black, D.C., Clark, T.A., Stull, M., and Drake, F.D. "SETI: High Sensitivity Searches at NASA with High Speed Tape Recorders." Paper #79-A-43 from 8th International CETI Review Symposium of the International Academy of Astronautics in Munich, Germany (1979).
- Zuckerman, B. and Tarter, J.C. "Is There Anyone Out There?" *Nature* 281, p. 528 (1979).
- Tarter, J.C. "Radio Searches for Other Civilizations." Proceedings of Conference on Life in the Universe sponsored by UNESCO, Council of Europe GRECC, November 1979, Paris, France (1979).
- Tarter, J.C. "The Cosmic Haystack." Nov. 16th presentation as special consultant to Harlan Smith Working Group on SETI of the National Academy of Sciences Astronomy and Astrophysics for the 1980s Survey Committee (1979).
- Tarter, J.C., Cuzzi, J., Black, D.C., and Clark, T.A. "A High Sensitivity Search for Extraterrestrial Intelligence at 18 CM," *Icarus* 42, p. 136 (1980).
- Tarter, J.C. "Communication with Extraterrestrial Intelligence: Report on IAA 8th Annual CETI Review in Munich, Germany," *Cosmic Search* 2, p. 18 (1980).
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- Reynolds, R.T., Tarter, J.C., and Walker, R.G. "A Proposed Search of the Solar Neighborhood for Sub-Stellar Objects," *Icarus* 44, p. 772 (1980).
- J. Billingham, J., Edelson, R., Gulkis, S., Olsen, E.T., Oliver, B.M., Tarter, J.C., and Seeger, C.L. "A Search Strategy for SETI." Paper #IAA-80-57 presented at 9th CETI Review Meeting of the International Academy of Astronautics in Tokyo, Japan (1980).
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- Wolfe, J., Edelson, R.E., Billingham, J., Crow, R.B., Gulkis, S., Olsen, E.T., Oliver, B.M., Peterson, A.M., Seeger, C.L., and Tarter, J.C. "SETI - The Search for Extraterrestrial Intelligence: Plans and Rationale," *Life in the Universe*, J. Billingham (ed.), The MIT Press, pp. 391-417 (1981).
- Tarter, J.C. and Israel, F.P. "A Symbiotic Approach to SETI Observations: Use of Radio Maps from the Westerbork Synthesis Radio Telescope." Paper #IAA-81-299 from 10th International CETI Review Symposium of the International Academy of Astronautics in Rome, Italy, September, 1981; *Acta Astronautica* 9, pp. 415-419 (1982).
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- Shostak, S. and Tarter, J.C. "SIGNAL (Search for Intelligence in the Galactic Nucleus with the Array of the Lowlands)." Paper #IAA-82-262 presented at 11th CETI Review Meeting of the Academy of Astronautics in Paris, France (1982). Published in *Acta Astronautica*, Vol. 12 No. 5, p. 369 (1985).
- Tarter, J.C., Duquet, R.T., Clark, T., and Lesyna, L. "Recent SETI Observations at Arecibo." Paper #IAA-82-263 presented at 11th CETI Review Meeting of the International Academy of Astronautics in Paris, France. *Bull. AAS* 14, p. 885, poster paper presented at the 161st AAS Meeting, Boston, MA (1982). *Acta Astronautica* 10, p. 277 (1983).
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- Heidmann, J., Biraud, F., and Tarter, J.C. "Pulsar Aided SETI Experimental Observations." Paper #IAA-89-642 presented at the 19th International SETI Review Meeting of the International Academy of Astronautics, Malaga, Spain (1989).
- Tarter, J.C. "Radio Frequency Interference at Jodrell Bank within the Protected 21 cm Band." Paper #IAA-86-425 presented at the 15th International SETI Review Meeting of the International Academy of Astronautics,

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- “Carbon in the Galaxy: Studies from Earth and Space.” J. C. Tarter, S. Chang and D. DeFrees (eds.), NASA Conference Publication 3061 (1990).
- Tarter, J.C. and Klein, M.J. “SETI: On the Telescope and On the Drawing Board.” Paper presented at the 3rd Bioastronomy Symposium in Val Cenis, France (1990). Published in *Bioastronomy: The Search for Extraterrestrial Life - The Exploration Broadens*, J. Heidmann and M. J. Klein (eds.) Springer-Verlag, NY, pp. 229-235 (1991).
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