

Section V

Powerful Insights: In-Depth Papers by Participants and Others

Participants in A Seminar on the Cultural Impact of Extraterrestrial Contact contributed to the value of the event through preconference writing of statements on individual agenda topics and by sharing in discussion sessions the results of their considerable study and reflection on the subject. Further, several of the participants, along with two additional scientists, were invited to submit scholarly papers for this report to shed further light on particular aspects of this large issue. These papers include:

The Role of the Social Sciences in SETI

By Albert A. Harrison, John Billingham, Steven J. Dick, Ben Finney, Michael A. G. Michaud, Donald E. Tarter, Allen Tough, and Douglas A. Vakoch – *Page 71*

The Cosmic Environment for the Growth of Complexity By Eric J. Chaisson - Page 87

Cosmic Humanity By Steven J. Dick – Page 93

How Old Is ET? By Ray P. Norris – Page 103 **Networking with Our Galactic Neighbors** By Albert A. Harrison – *Page 107*

How to Achieve Contact: Five Promising Strategies By Allen Tough - Page 115

The Contact Hypothesis: On the Impossibility of Sustained and Mutually Beneficial Contact between Aliens, and Two Proofs to the Contrary By Reed D. Riner - Page 127

SETI, Consilience, and the Unity of Knowledge By Ben Finney - Page 139

Cultural Aspects of Astrobiology By Steven J. Dick – Page 145

Speculations on the First Contact: Encyclopedia Galactica or the Music of the Spheres? By Guillermo A. Lemarchand - Page 153

Roman Catholic Views of Extraterrestrial Intelligence: Anticipating the Future by Examining the Past By Douglas A.Vakoch - Page 165