

# Appendix: Delphi Bibliography

**HAROLD A. LINSTONE and MURRAY TUROFF**

The following bibliography is complementary to the references associated with each of the articles in the book. We have broken the reference material into a number of separate sections. It is felt this particular breakdown will make the reference list of greater utility to the user. The sections in their order of appearance and the page on which each begins, are:

Journal Articles	577
Rand Papers	579
Publications of the Institute for the Future	581
Delphi Studies by the Futures Group	584
Other Delphi Articles	585
Technological Forecasting	592
New Directions	594
Some Foreign-Language Articles	598
Related Works	600

There are four journals which, during the past five years, have served as the principal source of articles on Delphi and its applications:

- (1) Technological Forecasting and Social *Change* (cited as TFSC )
- (2) *FUTURES*
- (3) *Long Range Planning*
- (4) Socio-Economic Planning Sciences

The first reference list (Journal Articles) is an alphabetical listing by author of Delphi articles, or articles involving Delphi, that have appeared in these four journals.

For approximately a decade almost all work on Delphi was carried on at the Rand Corporation where the concept was born. It was not until the mid-sixties that it began to catch on elsewhere. We have, therefore, listed in chronological order the Rand papers on Delphi. This list provides some insight into the evolution of the technique. Several of these papers do appear in other sections of the bibliography when they were published outside Rand in the same or slightly altered form.

In the mid- sixties a new nonprofit organization, the Institute for the Future (IFF), was formed by a group comprised, in part, of Rand people. One of the goals of this organization was the application of a range of futures methodologies, including Delphi, to social and technological problems. A list of its publications in the Delphi area is also included. Another group, spun off from IFF, is the Futures Group, a profit concern willing to do Delphi studies on a proprietary basis. While some of its work is not available to the public, we have included a list of its recent efforts to indicate the scope of application for Delphi in this sort of environment.

In the next section we find essentially all other articles on Delphi not encompassed by these journals or organizational headings. One can see from this list

the beginnings of university, corporate, and governmental use of the technique. Unfortunately, many users have not published their results and are not, therefore, represented in this list.

For a great many years Delphi has been associated with the subject of Technological Forecasting. We have provided a separate list of articles on technological forecasting which do discuss Delphi. Our caution to the reader about this set of references is that some of these writings tend to define and consider Delphi solely within the scope of that one application area. It has been our intent in this book to present Delphi in the wider context of an alternative communication form.

There is evident in the literature a set of new directions having to do with the application of the Delphi concept in such areas as computerized conferencing, management information systems, citizen feedback, participatory democracy, etc. For convenience we have placed these references in a separate list.

For those seeking references in other languages we have compiled a separate list of some foreign language articles on Delphi.

The final section of this bibliography is perhaps the most important to the potential Delphi designer. It was gathered by perusing the papers on Delphi and asking what writings in other disciplines have been referenced there. The papers in this list represent work in the fields of economics, operations research, philosophy, planning, psychology, sociology, and statistics. In essence, this provides a guide to the techniques and knowledge in other areas of utility to the study and use of Delphi. As one would expect, psychology and sociology make up a large part of the referenced material.

The lists which follow represent a search of materials readily available to the editors through 1974. We apologize in advance to those authors we have missed. If anyone has additions to make, and so informs us, we will compile them for an update in a future edition of this book.

### **Distribution of Bibliography**

The Distribution of articles in the bibliography is expressed in the following table. While Delphi has been around since the early fifties, much more material has been published on the subject in the last four years than in all the years before 1970.

	Before 1970	1970-1974	Total
Journal Articles	14	54	68
Rand Papers	34	4	48
IFF and Futures Group	13	67	80
Other Delphi Articles	45	95	140
Technological Forecasting	19	25	44
New Directions	3	61	64
Foreign Language Articles	6	39	45
Total of Delphi References	134	355	489
Related Work	136	45	181
Total	270	400	670

## Journal Articles

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- Amara, Roy C., "A Note on Cross-Impact Analysis," *FUTURES 4, No. 3 (1972)*.
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- Bierrum, C. A., "Forecast of Computer Development and Applications, 1968-2000," *FUTURES 1, No. 4 (June 1969)*.
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- , "Toward a Framework for National Goals and Policy Research," P-20 (published in *Policy Sciences*, Vol. 3, 1972).
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\* *Reports*—Formal documentation of Institute Studies

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- Baran, Paul, *The Future of Newsprint, 1970-2000*, R-16, December 1971. -, *Japanese Competition in the Information Industry*, P-17, May 1972.
- , Notes on a Seminar on Future *Broad-Band* Communications, WP-1, February 1970.
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## Delphi Studies by the Futures Group

Since some of these studies are not available for general public distribution, a short description is included of some of the items.

Boucher, W. I., *Quantifiable Goal Statements for the U.S. Criminal Justice System: A Preliminary Assessment*, Report 53-30-01, May 1972.

Done for the National Advisory Commission on Criminal Justice Standards and Goals; members of the Commission served as respondents. May eventually be published as part of the report on the Commission's work. Time horizon: to 1980-1985.

-, *Report on a Hypothetical Focused Planning Effort (FPE)*, Report 43-01-06, February 1972.

-, and Theodore J. Gordon, *The Literature of Cross-Impact Analysis: A Survey*, Report 41-24-01/2, February 1972.

-, and J. Talbot, *Report on a Delphi Study of Future Telephone Interconnect Systems*, Report 49-26-01, April 1972.

The first Delphi conducted entirely through interviews; also the first (to our knowledge) to have as its goal the conceptual design of a physical system.

Becker, H. S., and J. Incerti, *Future Technological and Social Changes: A Delphi Study of Opportunities and Threats for an Industrial Firm*, Report 76-35-02, January 1973.

Done for a multidivisional, hard-technology corporation; the aim was to identify prospective social and technological developments relevant to the diversions, determine their probability, indicate who might be most instrumental in making them happen, assess their impact if they did happen, and define policies appropriate for the company to take. Time horizon: to 1982 +.

Gordon, T. J., and Harold A. Becker, *Analysis of Ailing Products-It's Decisions That Count (A Case Study of R & D Methodology)*, Report 24-15-01, February 1972.

-, and J. Cohen, *An Investigation of Future Technological and Social Developments and Their Implications for Entry into the Produce Market*, Report 66-36-01, October 1972.

The third "interview Delphi"; here the attempt was to determine whether, in view of possible changes in technology and society generally, it made sense for a particular company to consider becoming a produce supplier. Time horizon: to 1982.

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