

It's only a few gallons away. And we're open 7 days a week from 9 am to 5 pm. But we're closed the following holidays: Easter Sunday, Thanksgiving, Christmas and New Years.

For Information Call (714) 254-2810

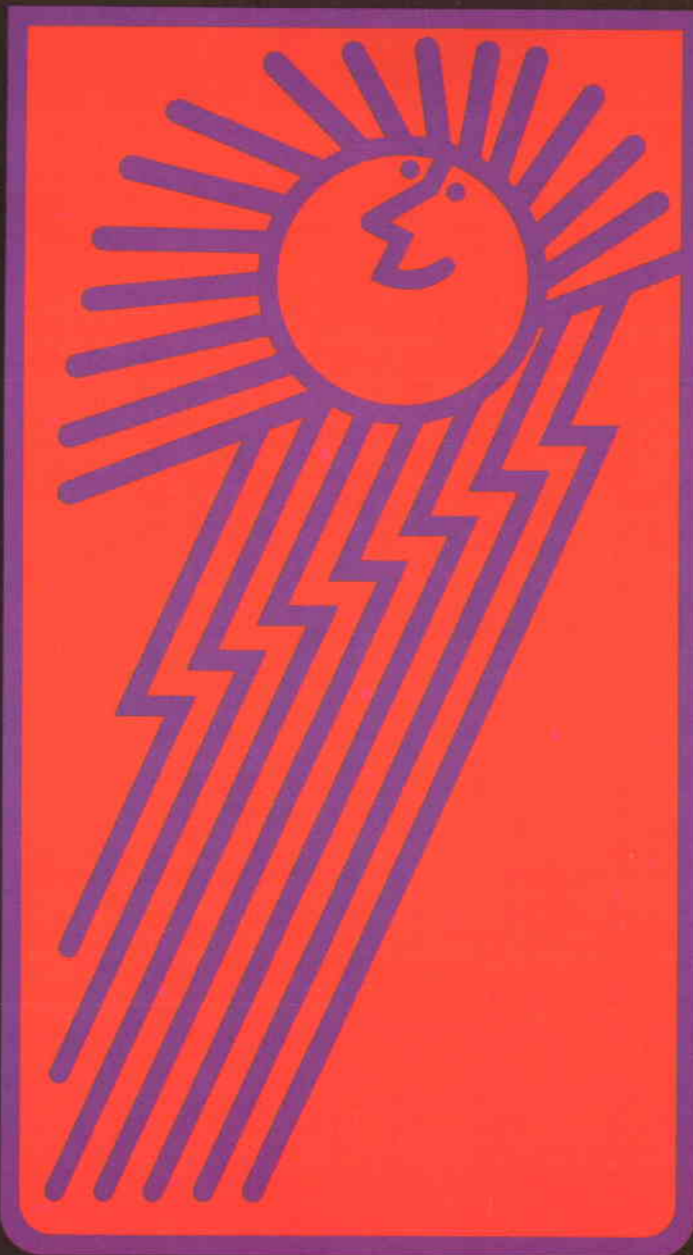


Department of Energy  
Southern California Edison  
Los Angeles Department of Water & Power  
California Energy Commission

DOE/SF/10501-304  
STMP0-604

# solar one

Have Fun Exploring Some Bright  
Ideas About Solar Energy



If you're just the slightest bit curious about how the sun's energy could benefit the world around you, our Solar One facility is an exciting place to stop, look, listen and find out.

At Solar One we've got lots of interesting things to see and do. There are buttons to push. Exhibits to see. Displays that talk. And models and movies that will show solar energy in a completely different light.

You'll get a close-up look at a giant model of the Solar One project which produces electrical power from the heat of the sun's rays.

Then see where man currently gets the energy he uses to run everything from cars to cities. And furnaces to factories.

We'll teach you some surprising new things about familiar sources of energy.

And take you to some unusual places where man is looking for new energy supplies.

You'll journey inside the atom.

Millions of miles into space.

Even deep below the surface of the earth.

It's all happening at Solar One.

At Solar One, visitors are coming from all over the world. But you won't have to drive halfway around the world to get here.

We're in Daggett, just east of Barstow. Which means Solar One is conveniently close to just about any place in Southern California. And right on the road to Las Vegas.

So why not stop in. See how the sun's energy makes life possible, while it powers everything from wind and waves to water heaters.

Find out what we're doing to harness the sun's energy to give us more power.

Check out how we're working to get more mileage from oil, gas and coal.

Learn about the energies hidden inside the secrets of the atom.

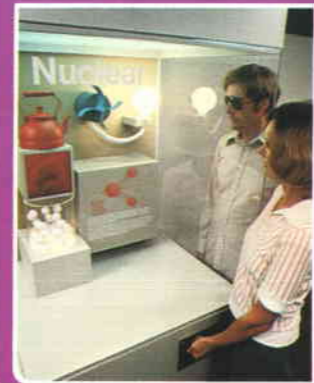
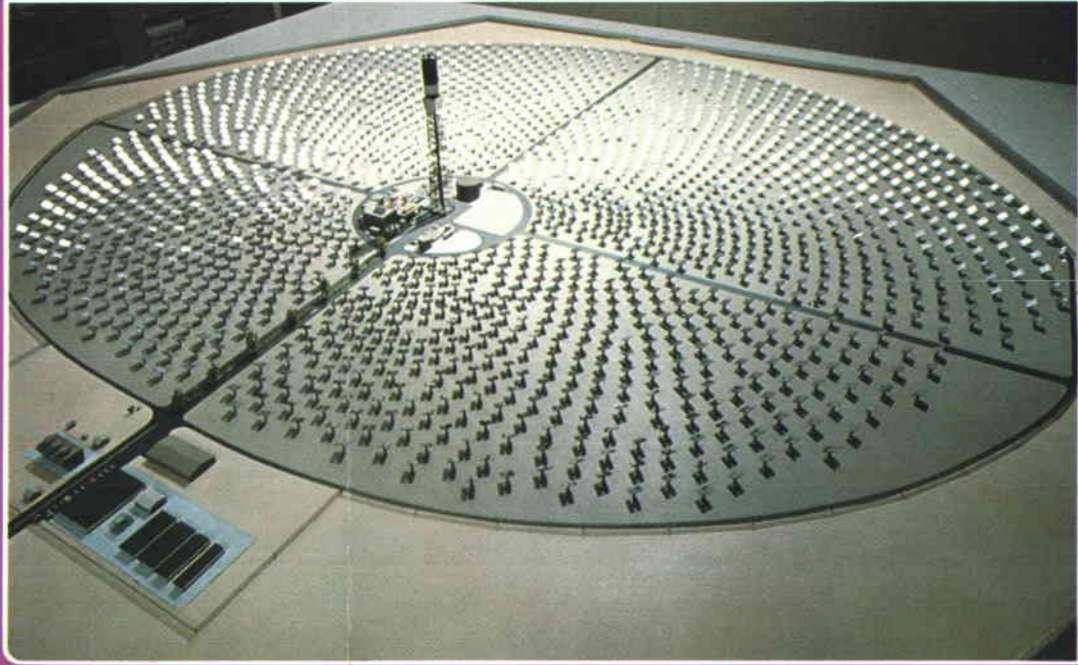
And see how the tides and wind could light your home. Or how an entire city might someday get all its heat and power from a hole in the ground. And a lot more.

We've got a whole world of interesting, exciting and illuminating ways to see, feel, listen, explore and look at energy – at Solar One.

Find out what we're doing to harness the sun's energy

Fun for the whole family

We'll show you some surprising new things about familiar sources of energy





Department of Energy  
San Francisco Operations Office  
1333 Broadway  
Oakland, California 94612

Reply to:  
DOE Site Office  
Post Office Box 366  
Daggett, CA 94612  
(619) 254-2672

Mr. William D. Matheny  
Chief, Control Branch  
Document Control & Evaluation Division  
DOE Technical Information Center  
Post Office Box 62  
Oak Ridge, TN 37830

JAN 09 1984


Submission of 10-MWe Pilot Plant ("Solar One") Project Documentation under Co-operative Agreement DE-FC03-77SF10501, for TIC/NTIS Archiving and Announcement

Dear Mr. Matheny:

Enclosed is another shipment of Solar One project documents, including:

<u>Document No.</u>	<u>Secondary No.</u>	<u>Title</u>	<u>Date</u>
1. DOE/SF/10501-137	STMPO-737	Solar One Visitor Center Report	July 1983
2. DOE/SF/10501-138	STMPO-738	Solar One Visitor Center Report	Aug. 1983
3. DOE/SF/10501-139	STMPO-739	Solar One Visitor Center Report	Sep. 1983
4. DOE/SF/10501-140	STMPO-740	Solar One Visitor Center Report	Oct. 1983
5. DOE/SF/10501-141	STMPO-741	Solar One Visitor Center Report	Nov. 1983
6. DOE/SF/10501-142	STMPO-742	Solar One Visitor Center Report	Dec. 1983
7. DOE/SF/10501-304	STMPO-604	"Solar One" Leaflet	Nov. 1980
8. DOE/SF/10501-305	STMPO-605	NONE (Color Brochure)	Jan. 1984
9. DOE/SF/10501-003	STMPO-063	Final Impact Assessment & Report	June 1978

Nos. 7 and 9 are old documents that never got into the system; the rest are current ones. Nos. 7 and 8 are distributed through the Visitors Center operated for us by Southern California Edison. Again, any feedback on this process you wish to provide will be gratefully received.

Sincerely yours,  
  
S. D. Elliott, Jr., Director,  
DOE Project Office, Barstow

cc: R. Gaither, SAN/OPC  
D. Holz, SAN/ISEA  
R. Hughey, SAN/FGS  
C. Lopez, SCE R&D

DOE AND MAJOR CONTRACTOR RECOMMENDATIONS FOR ANNOUNCEMENT AND DISTRIBUTION OF DOCUMENTS

See Instructions on Reverse Side

1. DOE Report No. DOE/SF/10501-304 (STMPO-604)	2. Contract No. DE-FC03-77SF10501	3. Subject Category No. UC-62
---	--------------------------------------	----------------------------------

4. Title  
"SOLAR ONE" (3-Color Leaflet, 9" x 16")

5. Type of Document ("x" one)  
 a. Scientific and technical report  
 b. Conference paper: Title of conference \_\_\_\_\_

\_\_\_\_\_ Date of conference \_\_\_\_\_

Exact location of conference \_\_\_\_\_ Sponsoring organization \_\_\_\_\_

c. Other (specify planning, educational, impact, market, social, economic, thesis, translations, journal article manuscript, etc.)

Information Leaflet

6. Copies Transmitted ("x" one or more)

a. Copies being transmitted for standard distribution by DOE-TIC.

b. Copies being transmitted for special distribution per attached complete address list.

c. Two completely legible, reproducible copies being transmitted to DOE-TIC. (Classified documents, see instructions)

\*  d. Twenty-seven copies being transmitted to DOE-TIC for TIC processing and NTIS sales.

7. Recommended Distribution ("x" one)

a. Normal handling (after patent clearance): no restraints on distribution except as may be required by the security classification.

Make available only  b. To U.S. Government agencies and their contractors.  c. within DOE and to DOE contractors.

d. within DOE.  e. to those listed in item 13 below:

f. Other (Specify) Archive/issue on request; extensive distribution has been made by Project Visitor Center

8. Recommended Announcement ("x" one)

a. Normal procedure may be followed.  b. Recommend the following announcement limitations:

9. Reason for Restrictions Recommended in 7 or 8 above.

a. Preliminary information.  b. Prepared primarily for internal use.  c. Other (Explain)

10. Patent, Copyright and Proprietary Information

Does this information product disclose any new equipment, process or material?  No  Yes If so, identify page nos. \_\_\_\_\_

Has an invention disclosure been submitted to DOE covering any aspect of this information product?  No  Yes

If so, identify the DOE (or other) disclosure number and to whom the disclosure was submitted.

Are there any patent-related objections to the release of this information product?  No  Yes If so, state these objections.

Does this information product contain copyrighted material?  No  Yes

If so, identify the page number \_\_\_\_\_ and attach the license or other authority for the government to reproduce.

Does this information product contain proprietary information?  No  Yes If so, identify the page numbers \_\_\_\_\_

("x" one  a. DOE patent clearance has been granted by responsible DOE patent group.

b. Document has been sent to responsible DOE patent group for clearance.

11. National Security Information (For classified document only; "x" one)

Document  a. does  b. does not contain national security information

12. Copy Reproduction and Distribution

Total number of copies reproduced 306,000 Number of copies distributed outside originating organization 305,950

13. Additional Information or Remarks (Continue on separate sheet, if necessary)

Leaflet has been provided to over 120,000 visitors to Project Visitor Center and to Utility Ratepayers; additional copies can be made available - please advise.

14. Submitted by (Name and Position) (Please print or type)

S. D. Elliott, Jr., Director, DOE Project Office, Barstow

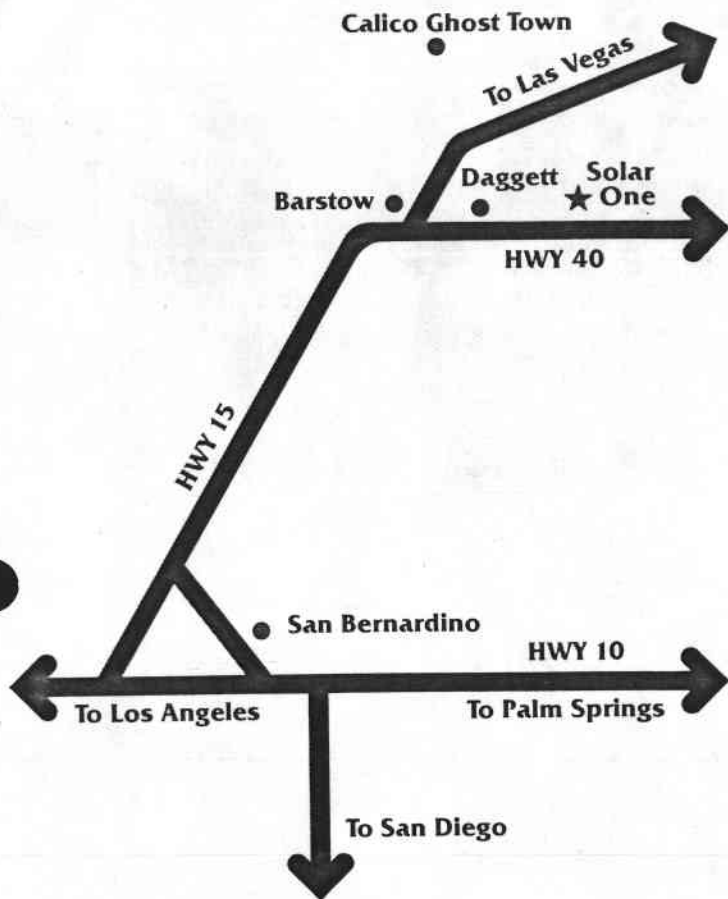
Organization \_\_\_\_\_

Post Office Box 366, Daggett, CA 92327 (619) 254-2672

Signature \_\_\_\_\_ Date JAN 09 1984

It's only a few gallons away. And we're open 7 days a week from 9 am to 5 pm. But we're closed the following holidays: Easter Sunday, Thanksgiving, Christmas and New Years.

For Information Call (714) 254-2810



Department of Energy  
Southern California Edison  
Los Angeles Department of Water & Power  
California Energy Commission

DOE/SF/10501-304  
STMPO-604

# solar one

Have Fun Exploring Some Bright  
Ideas About Solar Energy



U.S. DEPARTMENT OF ENERGY

**memorandum**

DATE JAN 09 1984

TO: Doug Elliott, DOE Project Office, Barstow

SUBJECT: Submission of 10-MWe Pilot Plant ("Solar One") Documents under Cooperative Agreement DE-FC03-77SF10501 for Patent Clearance

TO: Roger Gaither, OPC

Enclosed are nine documents, with accompanying SAN Form 70's signed by the SCE R&D Site Manager, for clearance by the SAN Office of Patent Counsel:

<u>Primary Doc. No.</u>	<u>Secondary No.</u>	<u>Title</u>
DOE/SF/10501-137	STMPO-737	Solar One Visitor Center, July 1983
DOE/SF/10501-138	STMPO-738	Solar One Visitor Center, Aug. 1983
DOE/SF/10501-139	STMPO-739	Solar One Visitor Center, Sep. 1983
DOE/SF/10501-140	STMPO-740	Solar One Visitor Center, Oct. 1983
DOE/SF/10501-141	STMPO-741	Solar One Visitor Center, Nov. 1983
DOE/SF/10501-142	STMPO-743	Solar One Visitor Center, Dec. 1983
(all of the above on a single Form 70)		
DOE/SF/10501-304	STMPO-604	"Solar One" Leaflet (Nov. 1980)
DOE/SF/10501-305	STMPO-605	NONE (Solar One Brochure, Jan. 1984)
DOE/SF/10501-003	STMPO-063	Final Impact Assessment/Report, June 1978

Two additional copies of each of these reports are being forwarded directly to the DOE Technical Information Center for archiving, microfiching and distribution on request by TIC and NTIS. Please review these reports to insure that no patentable material is included, and advise TIC as appropriate. The feedback copy of the SAN Form 70 should be sent to me at the Project Office; I will forward it to SCE.

When review is completed, please transmit your copies to Bob Hughey, SAN/FGS; M+R copies have already been supplied. (FGS has received a request for the EIA/EIR, and this will avoid our having to make an additional copy of this bulky item.)

S. D. Elliott, Jr., Director,  
DOE Project Office, Barstow

cc: Bob Hughey, DOE/SAN (FGS)  
Don Holz, DOE/SAN (ISEA)  
W. D. Matheny, DOE/TIC  
C. W. Lopez, SCE R&D



DEPARTMENT OF ENERGY  
SAN FRANCISCO OPERATIONS OFFICE

CONTRACTOR REQUEST FOR PATENT CLEARANCE  
FOR RELEASE OF UNCLASSIFIED DOCUMENT

Prime Contract No. DE-FC03-77SF10501
Subcontract No. N/A
Report No. DOE/SF/10501-304 (STMP0-604)
Date of Report November, 1980
Name & Phone No. of DOE Technical Representative S. D. Elliott, Jr. (619) 254-2672

TO: Roger S. Gaither, Asst. Chief for Prosecution  
Office of Patent Counsel/Livermore Office  
P.O. Box 808, L-376  
Livermore, California 94550

FROM: DOE Project Office, Barstow  
Post Office Box 366  
Daggett, CA 92327

- Document Title:  
"SOLAR ONE" (3-color leaflet, 9" x 16")
- Type of Document:  Technical Report,  Conference Paper,  Journal Article,  Abstract or Summary,  
 Copy of Oral Presentation,  Other (please specify): Informational Leaflet
- In order to meet a publication schedule or submission deadline, patent clearance by \_\_\_\_\_  
would be desired.

SENDER IS TO CHECK BOX #4 OR #5 BELOW.

4. I have reviewed (or have had reviewed by technically knowledgeable personnel) this document for possible inventive subject matter (Subject Inventions) and that no inventions or discoveries (Subject Inventions) are deemed to be disclosed in this document except as stated below:
- Attention should be directed to pages \_\_\_\_\_ of this document.
  - This document describes matter relating to an invention:
    - Contractor Invention Docket No. \_\_\_\_\_
    - A disclosure of the invention was submitted to DOE on \_\_\_\_\_ (date)
    - A disclosure of the invention will be submitted shortly \_\_\_\_\_ (approximate date)
    - A waiver of DOE's patent rights to the contractor:
  has been granted,  has been applied for; or  will be applied for \_\_\_\_\_ (date)
5. This document is being submitted, but no review has been made of this document for possible inventive subject matter.

6. Remarks:

Reviewing/Submitting Official: Name (Print/Type) Charles W. Lopez  
 Title SCE R&D Site Manager  
 Signature *Charles W. Lopez* Date Jan 6, 1983

TO: INITIATOR OF REQUEST

FROM: ASSISTANT CHIEF FOR PROSECUTION  
Office of Patent Counsel/Livermore Office

- No patent objection to above-identified release.
- Please defer release until advised by this office.

Signed \_\_\_\_\_ Date Mailed \_\_\_\_\_



DEPARTMENT OF ENERGY  
SAN FRANCISCO OPERATIONS OFFICE

CONTRACTOR REQUEST FOR PATENT CLEARANCE  
FOR RELEASE OF UNCLASSIFIED DOCUMENT

Prime Contract No. DE-FC03-77SF10501
Subcontract No. N/A
Report No. DOE/SF/10501-304 (STMP0-604)
Date of Report November, 1980
Name & Phone No. of DOE Technical Representative S. D. Elliott, Jr. (619) 254-2672

TO: Roger S. Gaither, Asst. Chief for Prosecution  
Office of Patent Counsel/Livermore Office  
P.O. Box 808, L-376  
Livermore, California 94550

FROM: DOE Project Office, Barstow  
Post Office Box 366  
Daggett, CA 92327

- Document Title:  
"SOLAR ONE" (3-color leaflet, 9" x 16")
- Type of Document:  Technical Report,  Conference Paper,  Journal Article,  Abstract or Summary,  
 Copy of Oral Presentation,  Other (please specify): Informational Leaflet
- In order to meet a publication schedule or submission deadline, patent clearance by \_\_\_\_\_ would be desired.

**SENDER IS TO CHECK BOX #4 OR #5 BELOW.**

- I have reviewed (or have had reviewed by technically knowledgeable personnel) this document for possible inventive subject matter (Subject Inventions) and that no inventions or discoveries (Subject Inventions) are deemed to be disclosed in this document except as stated below:
  - Attention should be directed to pages \_\_\_\_\_ of this document.
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    - Contractor Invention Docket No. \_\_\_\_\_
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    - A disclosure of the invention will be submitted shortly \_\_\_\_\_ (approximate date)
    - A waiver of DOE's patent rights to the contractor:
  has been granted,  has been applied for; or  will be applied for \_\_\_\_\_ (date)
- This document is being submitted, but no review has been made of this document for possible inventive subject matter.

4. Remarks:

Reviewing/Submitting Official: Name (Print/Type) Charles W. Lopez  
 Title SCE R&D Site Manager  
 Signature Charles W. Lopez Date Jan 6, 1983

TO: INITIATOR OF REQUEST  
FROM: ASSISTANT CHIEF FOR PROSECUTION X  
Office of Patent Counsel/Livermore Office

- No patent objection to above-identified release.
- Please defer release until advised by this office.

Signed Harold M. Dixon Date Mailed 1/13/84





Department of Energy  
San Francisco Operations Office  
1333 Broadway  
Oakland, California 94612

Reply to:

DOE Solar One Project Office  
Post Office Box 366  
Daggett, CA 92327  
(619) 254-2672

Mr. William D. Matheny  
Chief, Control Branch  
Document Control & Evaluation Division  
DOE Technical Information Center  
Post Office Box 62  
Oak Ridge, TN 37830

MAY 03 1984

Subj.: Ten-Megawatt Solar Thermal Central Receiver Pilot Plant ("Solar One")  
Documentation Activities

Dear Mr. Matheny:

I am sorry to have missed the opportunity to have met with you at SAN last week. Mike Lopez, SAN/FGS (who has been designated as my SAN support resource, and as the SAN Project Director following my departure at the end of this fiscal year) tells me, however, that you feel that our coordination with respect to Project documentation has been successful. As I have said previously, to you and to others, I am very glad to have the resources of TIC available to assist us in developing what I regard as one of the most valuable products of our effort: information. Any comments or suggestions (please be frank!) regarding how we might be able to further expedite the process will be most welcome. With the resources available to me over the next five months (Mike Lopez and Don Holz at SAN, Mary Soderstrum of Burns & McDonnell, and our EPRI-published bibliography - see the enclosed flyer - now summarized on the on-site computer), I am in a good position to fulfil my self-imposed goal of having all Project documentation to date fully catalogued, and distributed as appropriate to TIC and NTIS, by the end of FY84.

A couple of questions have arisen, largely drawn from the "feedback" I receive through the "Solar Thermal" Current Awareness Bulletin and the "reports Holdings File" printouts for SAN contracts Don Holtz forwards to me:

1. I note that a number of our "STMPO" reports, submitted to TIC with UC-62 distribution recommended on our Form RA-426's, appear in the "Holdings File" under UC-58c instead. While the reports so listed, for example, under Cooperative Agreement SF10501 (see enclosure) do, in fact, reflect "education, training and information dissemination...", I feel that my primary audience for these reports is the Solar Thermal community, and would appreciate it if all "STMPO-xxx" reports submitted by this office (including those already logged) could also appear under UC-62. This is especially valuable since the advent of the Solar Thermal Current Awareness Bulletin, which, I presume, is made up from the UC-62 listings. I have been "bragging this up" as a way of tracking incorporation of items from our bibliography into the TIC data base.
2. On the same subject, I am wondering whether I ought to be citing UC-62c or -d rather than UC-62. I had assumed that UC-62 was the more extensive addressee listing but Don Holz forwarded to me an extract from DOE/TIC-4500(Rev. 71) which shows 209 addressees for UC-62d (Central Receivers) and 195 for UC-62c (Large-Scale Systems), versus only 179 for UC-62 (Solar Thermal). I'd really like to reach

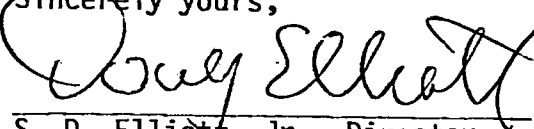
all these addressees; is there a better way to do so (like, "UC-62x")?

3. I also note, in the Report Holdings File, that some documents show "NTIS", "PC" and a price code on the right under "Source". All of the documents on the enclosed list for SF10501 have been patent cleared, and it was our intention that they all go to NTIS. Is there some policy reason why they have not? I can provide verification of patent clearance for all of these if you need it. Also, I note that the documents that have been cleared and forwarded to NTIS show "04" under "DS" and "EDB;ERA" and (usually) "NTS" under "Announcement", while those that have not show "09" and "HLO", respectively. Can you translate these for me?
4. Did you receive the re-submission of the "missing" reports DOE-SF/10501--22-VC through --33-VC I sent off February 20? (I'll bet they turn up on the next Report Holdings File Don sends me, just as soon as I put this in the mail!). I note you show only one copy for DOE/SF/10501--137 (which did get forwarded to NTIS), and --304 (which did not). I meant to send two; did I goof up, or are these typos?
5. Can you advise me as to which contract number you elected to list ERDA RFP 75-124 (STMPO-046) under? (I offered you several choices in my letter of transmittal of February 6, inst. - see enclosure) I'd like to enter the official report number in our next bibliography update.
6. I am still feeling my way on how to handle conference/symposium reports and journal articles, old and new. Am I on the right track with the three old Aerospace papers cited in my memo to you of April 23 and the enclosed April 30 memo to SAN/OPC? And, can you advise me of the report number assignments for these, if the primary document numbers I have suggested are not appropriate?

Thank you for your patience and support. If you should have another opportunity to come to the West Coast before the end of September, please plan to stop by Solar One (Las Vegas and Ontario airports are both convenient; Los Angeles is less so) and look over our operation; I'll be happy to give you the "VIP tour" as partial recompense for your help.

Encls.: EPRI Report Summary/Announcement  
Report Holdings File extract: SF10501  
Ltr. Project Office to TIC, 2/6/84  
Memo, Project Office to SAN/OPC, 4/30/84

Sincerely yours,

  
S. D. Elliott, Jr., Director,  
DOE Solar One Project Office

cc: Mike Lopez, DOE/SAN (FGS)  
Don Holz, DOE/SAN (ISEA)  
Mary Soderstrum, B&McD