

TO: Ramon Bazzocchi, NHQ 1-603
FROM: Stanton D. Weinstein
SUBJECT: Magnavox and Sanders v. Activision

FILE REFERENCE:
DATE: August 1, 1989


This memorandum confirms our telephone conversation of this afternoon.

Defendant Activision has now been renamed Mediagenic.

Sanders is currently suing Activision under the TV games patents. Validity and infringement were found at the first trial, and were upheld on appeal. The second trial is intended to assess damages. One issue regarding damages is pre-judgement interest. Magnavox and Sanders are seeking to have Activision pay interest on money damages owed them by Activision. The interest rate has been put in issue by Activision. Accordingly, in discovery relating to the second Activision trial, they are seeking documents regarding corporate cost of funds.

Forwarded herewith is a copy of Activision's First Request for Production of Documents Regarding Accounting and Damages, and a copy of Activision's Fourth Set of Interrogatories to Plaintiffs Regarding Accounting and Damages. Please respond to Requests for Production 4. and 5. and to Interrogatories 3 and 4.

Outside counsel for this matter are Theodore W. Anderson, James T. Williams and Richard A. Cederoth, all of the firm of Neuman, Williams, Anderson & Olson, Chicago, Illinois. Further clarification will be forthcoming from them.


Stanton D. Weinstein
Acting Director
Patents & Licensing

SDW:nd

NEUMAN, WILLIAMS, ANDERSON & OLSON

ATTORNEYS AND COUNSELORS

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TELEX 190462
TELECOPIER 312-346-5419

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STEPHEN G. MICAN

SIDNEY NEUMAN
FRED T. WILLIAMS
JAMES R. DOWDALL
COUNSEL

VAN METRE LUND
E. EUGENE INNIS**
ASSOCIATE COUNSEL

*ADMITTED IN D.C. AND VIRGINIA
AND RESIDENT IN WASHINGTON OFFICE

**ADMITTED IN PENNSYLVANIA
AND RESIDENT IN ALLENTOWN OFFICE

July 25, 1989



VIA FEDERAL EXPRESS

Stan Weinstein, Esq.
Sanders Associates, Inc.
Daniel Webster Highway, South
Nashua, New Hampshire 03061

Re: Magnavox/Sanders v. Activision

Dear Stan:

Enclosed are the following:

1. Activision, Inc.'s First Request For Production of Documents Regarding Accounting and Damages; and
2. Defendant Activision, Inc.'s Fourth Set of Interrogatories to Plaintiffs Regarding Accounting and Damages.

Very truly yours,

NEUMAN, WILLIAMS, ANDERSON & OLSON

By 
Richard A. Cederoth, Esq.

RAC:mv
Enclosures

1 MARTIN R. GLICK
 H. JOSEPH ESCHER III
 2 PAULINE E. CALANDE
 HOWARD, RICE, NEMEROVSKI, CANADY,
 3 ROBERTSON & FALK
 A Professional Corporation
 4 Three Embarcadero Center, 7th Floor
 San Francisco, California 94111
 5 Telephone: 415/434-1600
 6 Attorneys for Defendant Mediagenic

8 UNITED STATES DISTRICT COURT
 9 NORTHERN DISTRICT OF CALIFORNIA

HOWARD
 RICE
 NEMEROVSKI
 CANADY
 ROBERTSON
 & FALK
 Professional Corporation

10	THE MAGNAVOX COMPANY, a)	No. C 82 5270 CAL
11	corporation, and SANDERS)	
12	ASSOCIATES, INC., a corporation,)	ACTIVISION, INC.'S FIRST
13)	REQUEST FOR PRODUCTION OF
14	Plaintiffs,)	DOCUMENTS REGARDING
15	vs.)	<u>ACCOUNTING AND DAMAGES</u>
16	ACTIVISION, INC., a corporation,)	
	Defendant.)	

17 TO PLAINTIFFS AND THEIR ATTORNEYS OF RECORD:

18
 19 PLEASE TAKE NOTICE that Defendant Activision, Inc.
 20 requests, pursuant to Rule 34 of the Federal Rules of Civil
 21 Procedure, that Plaintiffs The Magnavox Company and Sanders
 22 Associates, Inc. produce and permit inspection and copying of the
 23 documents specified herein. The production of documents for
 24 inspection and/or copying shall take place at 10:00 a.m. on August
 25 14, 1989 at the law offices of Howard, Rice, Nemerovski, Canady,
 26 Robertson & Falk, A Professional Corporation, Three Embarcadero

1 Center, 7th Floor, San Francisco, California 94111.

2
3 INSTRUCTIONS AND DEFINITIONS

4 The following instructions apply to this request for
5 documents:

6 1. In producing documents and things, you are requested
7 to furnish all documents (including all duplicates, copies, or
8 drafts thereof) or things in your possession, custody, or control,
9 or known or available to you.

10 2. If any requested document or thing cannot be
11 produced in full, produce it to the extent possible, indicating
12 what is being withheld and the reason it is being withheld.

13 3. All documents should be produced in the same order
14 as they are kept or maintained in the ordinary course of business.

15 4. All documents should be produced in the manual,
16 booklet, binder, file, folder, envelope, or other container in
17 which they are ordinarily kept or maintained. If for any reason
18 the container cannot be produced, you should produce copies of all
19 labels or other identifying markings thereon.

20 5. If a document once existed but has been lost or
21 destroyed, or otherwise is no longer in your possession, please
22 identify the document and state the details concerning the loss of
23 any such document, including the name and address of the present
24 custodian of any such document if known to you.

25 6. If you claim that the attorney-client privilege or
26 any other privilege is applicable to any document, that document

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1 need not be produced now, but you shall with respect to that
2 document:

- 3 (a) state the date of the document;
- 4 (b) identify each author of the document;
- 5 (c) identify each other person who prepared or
6 participated in the preparation of the document;
- 7 (d) identify each person who ever received the document
8 from any source;
- 9 (e) identify each person from whom the document was
10 received;
- 11 (f) state the present location of the document and all
12 copies thereof;
- 13 (g) identify each person having custody or control of
14 the document or of any copy thereof; and
- 15 (h) provide sufficient further information concerning
16 the document and the circumstances thereof to explain and
17 substantiate the claim of privilege and to permit the adjudication
18 of the propriety of that claim.

19 7. As used herein, the words "document" and "documents"
20 mean any kind of printed, recorded, written, graphic, photographic,
21 magnetic, or electronic matter within the scope of Rule 26(b) of
22 the Federal Rules of Civil Procedure.

23 8. Any comment, notation, or marking appearing on any
24 document, and not a part of the original, is to be considered a
25 separate document, and any draft, preliminary form, or superseded
26 version of any document is also to be considered a separate

1 document.

2 9. "You" or "your" shall mean and refer to Plaintiffs
3 and each of them, and all other persons acting and/or purporting to
4 act on their behalf.

5 10. "And" and "or" shall be interpreted inclusively so
6 as to not exclude any information otherwise within the scope of any
7 request.

8 11. "Each" means "each and every," and "all" means "any
9 and all."

10

11

REQUESTS FOR PRODUCTION

12

1. All documents which refer or relate to
13 communications with Alpex Corporation (or its counsel) relating to
14 video game patents.

15

2. All documents which refer or relate to video game
16 patents for which Plaintiffs entered into licenses (excluding the
17 patent in suit).

18

3. All documents which refer or relate to a reduction
19 in the per unit minimum royalty rate.

20

4. All documents which refer or relate to the cost of
21 funds borrowed by Plaintiffs from January 1, 1980 to May 1, 1989.

22

5. All documents which refer or relate to the amount of
23 funds borrowed by Plaintiffs from January 1, 1980 to May 1, 1989.

24

6. All documents which refer or relate to the transfer
25 of the Magnavox license on the Sanders video game patents to North
26 American Philips Corp.

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7. All documents communicated between you and any expert witnesses you have retained to testify in this action.

DATED: July 14, 1989

MARTIN R. GLICK
H. JOSEPH ESCHER III
PAULINE E. CALANDE
HOWARD, RICE, NEMEROVSKI, CANADY,
ROBERTSON & FALK
A Professional Corporation

By 
H. JOSEPH ESCHER III

Attorneys for Defendant

HOWARD
RICE
NEMEROVSKI
CANADY
ROBERTSON
& FALK
Professional Corporation

PROOF OF SERVICE BY MAIL

1
2 I am employed in the County of San Francisco, State of
3 California. I am over the age of eighteen (18) years and not a
4 party to the within action; my business address is Three
5 Embarcadero Center, 7th Floor, San Francisco, California 94111.

6 I am readily familiar with the practice for collection
7 and processing of documents for mailing with the United States
8 Postal Service of Howard, Rice, Nemerovski, Canady, Robertson &
9 Falk, A Professional Corporation, and that practice is that the
10 documents are deposited with the United States Postal Service
11 the same day as the day of collection in the ordinary course of
12 business.

13 On July 14, 1989, I served the foregoing document(s)
14 described as ACTIVISION, INC.'S FIRST REQUEST FOR PRODUCTION OF
15 DOCUMENTS REGARDING ACCOUNTING AND DAMAGES on the persons listed
16 below by placing the document(s) for deposit in the United
17 States Postal Service through the regular mail collection
18 process at the law offices of Howard, Rice, Nemerovski, Canady,
19 Robertson & Falk, A Professional Corporation, located at Three
20 Embarcadero Center, 7th Floor, San Francisco, California, to be
21 served by mail addressed as follows:

22 James T. Williams
23 Neuman, Williams, Anderson & Olson
24 77 West Washington Street
25 Chicago, Illinois 60602-2954
26

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NEMEROVSKI
CANADY
ROBERTSON
& FALK
Professional Corporation

1 I declare under penalty of perjury that the foregoing is
2 true and correct. Executed at San Francisco, California on
3 July 14, 1989.

4 William Cohen
5 William Cohen
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12 HOWARD
13 RICE
14 MEROVSKI
15 CANADY
16 ROBERTSON
17 & FALK
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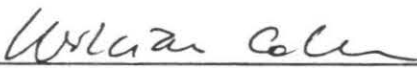
PROOF OF SERVICE BY HAND

I am employed by Howard, Rice, Nemerovski, Canady,
Robertson & Falk, A Professional Corporation, and my business address
is Three Embarcadero Center, 8th Floor, San Francisco, California,
94111. I am over the age of eighteen (18) years and not a party to
the within action.

On July 14, 1989, I served a true copy of the foregoing
document(s) described as ACTIVISION, INC.'S FIRST REQUEST FOR
PRODUCTION OF DOCUMENTS REGARDING ACCOUNTING AND DAMAGES by
delivering said document(s) by hand to the following:

Robert L. Ebe
McCutchen, Doyle, Brown & Enersen
Three Embarcadero Center, Suite 2800
San Francisco, California 94111

I declare under penalty of perjury that the foregoing is
true and correct. Executed at San Francisco, California on
July 14, 1989.



William Cohen

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ROBERTSON
& FALK
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1 MARTIN R. GLICK
H. JOSEPH ESCHER III
2 PAULINE E. CALANDE
HOWARD, RICE, NEMEROVSKI, CANADY,
3 ROBERTSON & FALK
A Professional Corporation
4 Three Embarcadero Center, 7th Floor
San Francisco, California 94111
5 Telephone: 415/434-1600
6 Attorneys for Defendant Mediagenic

7
8 UNITED STATES DISTRICT COURT
9 NORTHERN DISTRICT OF CALIFORNIA

10 THE MAGNAVOX COMPANY, a)
11 corporation, and SANDERS)
ASSOCIATES, INC., a corporation,)
12 Plaintiffs,)
13 vs.)
14)
15 ACTIVISION, INC., a corporation,)
16 Defendant.)

No. C 82 5270 CAL
DEFENDANT ACTIVISION,
INC.'S FOURTH SET OF
INTERROGATORIES
TO PLAINTIFFS REGARDING
ACCOUNTING AND DAMAGES

17 TO PLAINTIFFS AND THEIR ATTORNEYS OF RECORD:

18 Pursuant to Rule 33 of the Federal Rules of Civil
19 Procedure, Defendant Mediagenic (formerly Activision, Inc.)
20 ("Activision") hereby serves the following interrogatories upon
21 Plaintiffs and requests that each interrogatory be answered
22 separately and fully by Plaintiffs in writing under oath within
23 thirty (30) days after the service of these interrogatories. If
24 you cannot answer any interrogatory fully and completely after
25 exercising due diligence to make inquiry and secure the information
26 necessary to do so, please so state and answer each such

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1 interrogatory to the full extent you deem possible, specify the
2 portion of such interrogatory that you claim to be unable to
3 answer, your contention as to why you are unable to answer the
4 interrogatory fully and completely, and state what knowledge,
5 information or belief you have concerning the unanswered portion of
6 each such interrogatory.

7

8

DEFINITIONS AND INSTRUCTIONS

9

A. "You," "your" and "Plaintiffs" refer to Plaintiffs,
10 The Magnavox Company and Sanders Associates, and each of them.

11

B. Activision incorporates by reference the definitions
12 and instructions contained in its first set of interrogatories
13 regarding accounting and damages.

14

INTERROGATORIES

15

INTERROGATORY NO. 1:

16

Identify all patents on video game technology to which
17 you are a licensee.

18

RESPONSE TO INTERROGATORY NO. 1:

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1 INTERROGATORY NO. 2:

2 State the terms (including royalty rate) on each such
3 license set out in response to interrogatory No. 2.

4 RESPONSE TO INTERROGATORY NO. 2:

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7

8 INTERROGATORY NO. 3:

9 State the cost (by percentage interest by quarter) of
10 funds borrowed by you from January 1, 1980 to May 1, 1989.

11 RESPONSE TO INTERROGATORY NO. 3:

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15 INTERROGATORY NO. 4:

16 State the total amount (by quarter) of funds borrowed by
17 you from January 1, 1980 to May 1, 1989.

18 RESPONSE TO INTERROGATORY NO. 4:

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1 INTERROGATORY NO. 5:

2 Identify each instance of modification of obligations
3 under license agreements (including waiver) of the per-unit minimum
4 royalty due on licenses for Sanders Associates video game patents.

5 RESPONSE TO INTERROGATORY NO. 5:

6
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8
9 DATED: July 14, 1989

10 MARTIN R. GLICK
11 H. JOSEPH ESCHER III
12 PAULINE E. CALANDE
13 HOWARD, RICE, NEMEROVSKI, CANADY,
14 ROBERTSON & FALK
A Professional Corporation

By 
H. JOSEPH ESCHER III

Attorneys for Defendant

PROOF OF SERVICE BY MAIL

1
2 I am employed in the County of San Francisco, State of
3 California. I am over the age of eighteen (18) years and not a
4 party to the within action; my business address is Three
5 Embarcadero Center, 7th Floor, San Francisco, California 94111.

6 I am readily familiar with the practice for collection
7 and processing of documents for mailing with the United States
8 Postal Service of Howard, Rice, Nemerovski, Canady, Robertson &
9 Falk, A Professional Corporation, and that practice is that the
10 documents are deposited with the United States Postal Service
11 the same day as the day of collection in the ordinary course of
12 business.

13 On July 14, 1989, I served the foregoing document(s)
14 described as DEFENDANT ACTIVISION, INC.'S FOURTH SET OF
15 INTERROGATORIES TO PLAINTIFFS REGARDING ACCOUNTING AND DAMAGES
16 on the persons listed below by placing the document(s) for
17 deposit in the United States Postal Service through the regular
18 mail collection process at the law offices of Howard, Rice,
19 Nemerovski, Canady, Robertson & Falk, A Professional
20 Corporation, located at Three Embarcadero Center, 7th Floor, San
21 Francisco, California, to be served by mail addressed as
22 follows:

23 James T. Williams
24 Neuman, Williams, Anderson & Olson
25 77 West Washington Street
26 Chicago, Illinois 60602-2954

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EMEROVSKI
CANADY
ROBERTSON
& FALK
Professional Corporation

1 I declare under penalty of perjury that the foregoing is
2 true and correct. Executed at San Francisco, California on
3 July 14, 1989.

4 
5 _____
6 William Cohen

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12 HOWARD
13 RICE
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15 CANADY
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17 & FALK
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PROOF OF SERVICE BY HAND

I am employed by Howard, Rice, Nemerovski, Canady, Robertson & Falk, A Professional Corporation, and my business address is Three Embarcadero Center, 8th Floor, San Francisco, California, 94111. I am over the age of eighteen (18) years and not a party to the within action.

On July 14, 1989, I served a true copy of the foregoing document(s) described as DEFENDANT ACTIVISION, INC.'S FOURTH SET OF INTERROGATORIES TO PLAINTIFFS REGARDING ACCOUNTING AND DAMAGES by delivering said document(s) by hand to the following:

Robert L. Ebe
McCutchen, Doyle, Brown & Enersen
Three Embarcadero Center, Suite 2800
San Francisco, California 94111

I declare under penalty of perjury that the foregoing is true and correct. Executed at San Francisco, California on July 14, 1989.

William Cohen
William Cohen

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RICE
EMEROVSKI
CANADY
ROBERTSON
& FALK
Professional Corporation

RECEIVED
AUG 1 1989
FOLIO 100
THE JURY ROOM

SANDERS ASSOCIATES, INC.
 COST OF REVOLVING CREDIT AGREEMENT
 JANUARY 01, 1980 TO SEPTEMBER 30, 1986

DATE	NO. DAYS	PRIME RATE	BALANCE % line	REQ. (\$000)	EFFECTIVE RATE
Q1	91	16.35	7.49	2,016	17.68
Q2	91	16.36	7.00	1,960	17.60
Q3	92	11.53	7.00	1,960	12.40
Q4	92	16.61	7.00	1,960	17.86
1980	366	15.20	7.12	1,974	16.38
Q1	90	19.07	7.00	1,960	20.51
Q2	91	18.93	7.00	1,960	20.36
Q3	92	20.33	7.00	1,960	21.86
Q4	92	17.02	7.00	1,960	18.30
1981	365	18.83	7.00	1,960	20.26
Q1	90	16.26	6.64	2,056	17.42
Q2	91	16.50	5.00	2,500	17.37
Q3	92	14.73	5.00	2,500	15.50
Q4	92	11.82	5.00	2,500	12.44
1982	365	14.81	5.40	2,391	15.67
Q1	90	10.87	5.00	2,500	11.44
Q2	91	10.50	5.00	2,500	11.05
Q3	92	10.78	5.00	2,500	11.35
Q4	92	11.00	5.00	2,500	11.58
1983	365	10.78	5.00	2,500	11.36
Q1	90	11.07	5.00	2,500	11.65
Q2	91	12.28	5.00	2,500	12.92
Q3	92	12.99	3.34	1,671	13.44
Q4	92	11.82	2.50	1,250	12.12
1984	365	12.04	3.95	1,976	12.54
Q1	91	10.54	2.50	1,250	10.81
Q2	91	10.21	2.50	1,250	10.47
Q3	92	9.50	2.50	1,250	9.74
Q4	92	9.50	2.50	1,250	9.74
1985	366	9.94	2.50	1,250	10.19
Q1	90	9.37	2.50	1,250	9.61
Q2	91	8.62	2.50	1,250	8.84
Q3	92	7.87	2.50	1,250	8.07
1986	273	8.61	2.50	1,250	8.83

SANDERS ASSOCIATES, INC.
 COST OF REVOLVING CREDIT AGREEMENT
 JANUARY 01, 1980 TO SEPTEMBER 30, 1986

DATE	NO. DAYS	PRIME RATE	BALANCE REQ. % line (\$000)	REQ. (\$000)	EFFECTIVE RATE
1980					
01/01	15	15.25	10.00	2,300	16.94
02/15	35	15.25	7.00	1,960	16.40
02/19	3	15.75	7.00	1,960	16.94
02/22	7	16.25	7.00	1,960	17.47
02/29	4	16.75	7.00	1,960	18.01
03/04	3	17.25	7.00	1,960	18.55
03/07	7	17.75	7.00	1,960	19.09
03/14	5	18.50	7.00	1,960	19.89
03/19	9	19.00	7.00	1,960	20.43
03/28	3	19.50	7.00	1,960	20.97
Q 1	91	16.35	7.49	2,016	17.68
04/01	2	19.50	7.00	1,960	20.97
04/02	16	20.00	7.00	1,960	21.51
04/18	11	19.50	7.00	1,960	20.97
04/29	7	18.50	7.00	1,960	19.89
05/06	10	17.50	7.00	1,960	18.82
05/16	7	16.50	7.00	1,960	17.74
05/23	5	15.00	7.00	1,960	16.13
05/28	9	14.00	7.00	1,960	15.05
06/06	7	13.00	7.00	1,960	13.98
06/13	17	12.00	7.00	1,960	12.90
Q 2	91	16.36	7.00	1,960	17.60
07/01	7	12.00	7.00	1,960	12.90
07/07	17	11.50	7.00	1,960	12.37
07/24	11	10.75	7.00	1,960	11.56
08/04	18	11.00	7.00	1,960	11.83
08/22	5	11.25	7.00	1,960	12.10
08/27	16	11.50	7.00	1,960	12.37
09/12	7	12.25	7.00	1,960	13.17
09/19	7	12.50	7.00	1,960	13.44
09/26	4	13.00	7.00	1,960	13.98
Q 3	92	11.53	7.00	1,960	12.40
10/01	17	13.50	7.00	1,960	14.52
10/17	12	14.00	7.00	1,960	15.05
10/29	8	14.50	7.00	1,960	15.59
11/06	11	15.50	7.00	1,960	16.67
11/17	4	16.25	7.00	1,960	17.47
11/21	5	17.00	7.00	1,960	18.28
11/26	6	17.75	7.00	1,960	19.09
12/02	3	18.00	7.00	1,960	19.35
12/05	5	19.00	7.00	1,960	20.43

12/10	6	20.00	7.00	1,960	21.51
12/16	3	21.00	7.00	1,960	22.58
12/19	10	21.50	7.00	1,960	23.12
12/29	2	20.50	7.00	1,960	22.04
Q4	92	16.61	7.00	1,960	17.86
1980	366	15.21	7.12	1,974	16.38
1981					
01/01	6	20.50	7.00	1,960	22.04
01/06	3	19.50	7.00	1,960	20.97
01/09	25	20.00	7.00	1,960	21.51
02/03	20	19.50	7.00	1,960	20.97
02/23	8	19.00	7.00	1,960	20.43
03/03	8	18.50	7.00	1,960	19.89
03/11	2	18.00	7.00	1,960	19.35
03/13	6	17.50	7.00	1,960	18.82
03/19	12	17.00	7.00	1,960	18.28
Q1	90	19.07	7.00	1,960	20.51
04/01	20	17.50	7.00	1,960	18.82
04/20	10	17.50	7.00	1,960	18.82
04/30	4	18.00	7.00	1,960	19.35
05/04	7	19.00	7.00	1,960	20.43
05/11	8	19.50	7.00	1,960	20.97
05/19	3	20.00	7.00	1,960	21.51
05/22	10	20.50	7.00	1,960	22.04
06/01	14	20.00	7.00	1,960	21.51
06/15	8	19.00	7.00	1,960	20.43
06/23	7	20.00	7.00	1,960	21.51
Q2	91	18.93	7.00	1,960	20.36
07/01	8	20.00	7.00	1,960	21.51
07/08	69	20.50	7.00	1,960	22.04
09/15	7	20.00	7.00	1,960	21.51
09/22	8	19.50	7.00	1,960	20.97
Q3	92	20.33	7.00	1,960	21.86
10/01	5	19.50	7.00	1,960	20.97
10/05	8	19.00	7.00	1,960	20.43
10/13	20	18.00	7.00	1,960	19.35
11/02	3	17.50	7.00	1,960	18.82
11/05	11	17.00	7.00	1,960	18.28
11/16	8	16.50	7.00	1,960	17.74
11/24	7	16.00	7.00	1,960	17.20
12/01	30	15.75	7.00	1,960	16.94
Q4	92	17.02	7.00	1,960	18.30
1981	365	18.83	7.00	1,960	20.25
1982					
01/01	33	15.75	7.00	1,960	16.94
02/02	15	16.50	7.00	1,960	17.74
02/17	6	17.00	7.00	1,960	18.28
02/23	20	16.50	7.00	1,960	17.74
03/15	16	16.50	5.00	2,500	17.37

Q1	90	16.26	6.64	2,056	17.42
04/01	91	16.50	5.00	2,500	17.37
Q2	91	16.50	5.00	2,500	17.37
07/01	20	16.50	5.00	2,500	17.37
07/20	6	16.00	5.00	2,500	16.84
07/26	7	15.50	5.00	2,500	16.32
08/02	11	15.00	5.00	2,500	15.79
08/13	5	14.50	5.00	2,500	15.26
08/18	5	14.00	5.00	2,500	14.74
08/23	38	13.50	5.00	2,500	14.21
Q3	92	14.73	5.00	2,500	15.50
10/01	7	13.50	5.00	2,500	14.21
10/07	5	13.00	5.00	2,500	13.68
10/12	10	12.00	5.00	2,500	12.63
10/22	25	11.50	5.00	2,500	12.11
11/16	6	12.00	5.00	2,500	12.63
11/22	39	11.50	5.00	2,500	12.11
Q4	92	11.82	5.00	2,500	12.44
1982	365	14.81	5.41	2,391	15.67
1983					
01/01	11	11.50	5.00	2,500	12.11
01/11	45	11.00	5.00	2,500	11.58
02/25	34	10.50	5.00	2,500	11.05
Q1	90	10.87	5.00	2,500	11.44
04/01	91	10.50	5.00	2,500	11.05
Q2	91	10.50	5.00	2,500	11.05
07/01	40	10.50	5.00	2,500	11.05
08/09	52	11.00	5.00	2,500	11.58
Q3	92	10.78	5.00	2,500	11.35
10/01	92	11.00	5.00	2,500	11.58
Q4	92	11.00	5.00	2,500	11.58
1983	365	10.78	5.00	2,500	11.36
1984					
01/01	78	11.00	5.00	2,500	11.58
03/19	12	11.50	5.00	2,500	12.11
Q1	90	11.07	5.00	2,500	11.65
04/01	5	11.50	5.00	2,500	12.11
04/05	22	12.00	5.00	2,500	12.63
04/27	35	12.31	5.00	2,500	12.96
06/01	24	12.50	5.00	2,500	13.16
06/25	5	13.00	5.00	2,500	13.68
Q2	91	12.28	5.00	2,500	12.92
07/01	31	13.00	5.00	2,500	13.68

08/01	58	13.00	2.50	1,250	13.33
09/27	3	12.75	2.50	1,250	13.08
Q3	92	12.99	3.34	1,671	13.44
10/01	16	12.75	2.50	1,250	13.08
10/16	13	12.50	2.50	1,250	12.82
10/29	10	12.00	2.50	1,250	12.31
11/08	20	11.75	2.50	1,250	12.05
11/28	22	11.25	2.50	1,250	11.54
12/20	11	10.75	2.50	1,250	11.03
Q4	92	11.82	2.50	1,250	12.12
1984	365	12.04	3.95	1,976	12.54
1985					
01/01	15	10.75	2.50	1,250	11.03
01/15	76	10.50	2.50	1,250	10.77
Q1	91	10.54	2.50	1,250	10.81
04/01	50	10.50	2.50	1,250	10.77
05/20	29	10.00	2.50	1,250	10.26
06/18	12	9.50	2.50	1,250	9.74
Q2	91	10.21	2.50	1,250	10.47
07/01	92	9.50	2.50	1,250	9.74
Q3	92	9.50	2.50	1,250	9.74
10/01	92	9.50	2.50	1,250	9.74
Q4	92	9.50	2.50	1,250	9.74
1985	366	9.94	2.50	1,250	10.19
					0.00
1986					
01/01	66	9.50	2.50	1,250	9.74
03/07	24	9.00	2.50	1,250	9.23
Q1	90	9.37	2.50	1,250	9.61
04/01	21	9.00	2.50	1,250	9.23
04/21	70	8.50	2.50	1,250	8.72
Q2	91	8.62	2.50	1,250	8.84
07/01	11	8.50	2.50	1,250	8.72
07/11	46	8.00	2.50	1,250	8.21
08/26	35	7.50	2.50	1,250	7.69
Q3	92	7.87	2.50	1,250	8.07
1986	273	8.61	2.50	1,250	8.83