



June 21, 2002

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CONGRESS

Dr. Michael A. Minovitch
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Our reference: 2002200449

101 Independence
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This will confirm our faxed report of June 21, 2002.

Washington, D.C.
20559-6000

Our search in the appropriate Copyright Office indexes and catalogs that include works cataloged from 1955 through April 12, 2002 under the names Battin, [R. Battin], [R. H. Battin], [Richard Battin], [Richard H. Battin], [Laning], [J. Laning], [J. Laning, Jr.], [J. H. Laning], [J. H. Laning, Jr.], [J. Halcombe Laning], and J. Halcombe Laning, Jr. disclosed only the following separate registration for a work identifiable under both of the surnames "Battin" and "Laning."

RANDOM PROCESSES IN AUTOMATIC CONTROL; by J. Halcombe Laning, Jr. and Richard H. Battin. Registered in the name of McGraw-Hill Book Co., Inc., under A 234450 following publication April 27, 1956. Renewed under RE 221-702, November 26, 1984, by J. Halcombe Laning, Jr. & Richard H. Battin, as authors.

Dr. Michael A. Minovitch

-2-

The following registrations, for works registered from 1955 through 1977, are reported as of possible interest:

APPLICATION OF KALMAN FILTERING TECHNIQUES TO THE APOLLO PROGRAM; by Richard H. Battin & Gerald M. Levine. 1 v. (Apollo guidance, navigation and control). Appl. author: Instrumentation Laboratory, Massachusetts Institute of Technology. Registered in the name of Massachusetts Institute of Technology, under A 116317 following publication April 30, 1969.

ASTRONAUTICAL GUIDANCE; by Richard H. Battin. (McGraw-Hill Electronic Sciences Series). Registered in the name of McGraw-Hill, Inc., under A 676113 following publication February 5, 1964.

Effective June 26, 1992 renewal is automatic for all works published or copyrighted between January 1, 1964, and December 31, 1977. For additional information see the enclosed Circular 15.

Attachment II contains registrations from 1978 through April 12, 2002 which are also being reported as of possible interest. These registrations are contained in the Copyright Office automated catalog style. A key to the abbreviation preceding each line is identified in Attachment I.

Dr. Michael A. Minovitch

-3-

Your credit card has been debited in the amount of \$190.00 in payment for this search and report.

Patricia A. Rigsbee
Senior Copyright Research Specialist
Reference & Bibliography Section

Enclosures:

Remitter's credit card receipt
Attachments 1 & II
Circulars 1, 15, 22

ATTACHMENT I

The registrations located during the search were retrieved from the Copyright Office Automated Catalog and are reported in registration number order. These registrations are printed directly from the computer terminal which accesses the automated catalog. A key to the abbreviation preceding each line follows:

| | |
|------|---|
| APAU | Name(s) of author(s) on application if different from copy |
| APTI | Title(s) on application if different from copy |
| CLNA | Name of claimant(s). If claimant name is preceded by "ac," this indicates the claimant is also the author |
| DCRE | Date of creation (fixation) according to application |
| DPUB | Date of publication according to application |
| OREG | Effective date of registration |
| ECIF | Essential computer information field (machine coding for internal Copyright Office use) |
| EDST | Edition statement |
| IMPR | Imprint information (place of publication; publishers; date of publication or copyright) |
| INAN | "In"-analytical (title of the larger work in which the copyrighted work appears) |
| INNO | Date in copyright notice if different from application |
| INNN | Name in copyright notice if different from application |
| ISBN | International Standard Book Number |
| ISSN | International Standard Serial Number |
| LINM | Limitation(s) on claim; New Matter in claim |
| MISC | Miscellaneous information |
| NOTE | Notes describing the deposit copy |
| PHYS | Physical description of the deposit copy |
| PREV | Information on previously registered related works |
| SEST | Series title(s) |
| SREG | Registration being supplemented |
| TITL | Title; other title information; authorship if not indicated in CLNA or AFAU |
| XREF | Cross reference(s) for and to personal and corporate names |
| DFCX | Mask works: date of first commercial exploitation |
| CAST | Motion pictures: major cast members |
| CRED | Motion pictures: credits (director, producer, etc.) |
| MATH | Maps: mathematical data (scale, projection) |
| CONT | Group renewals and contributions: contributions |
| COTI | Sound recordings: contents titles |
| ADTI | Renewals: additional title(s) |
| OCLS | Renewals: old class code |
| ODAT | Renewals: original date of publication |
| OREG | Renewals: original date of registration |

Attachment II

The following registrations are reported as of possible interest:

PAu-2-018-969 (COHM) ITEM 2 OF 7 IN SET 10
TITL: Feint of heart / by acRichard Battin , 1947-.
PHYS: 95 p.
NOTE: Play.
CLNA: Richard Battin
DCRE: 1995 DREG: 5Oct95
ECIF: 3/D
READY FOR NEW COMMAND:

TX-154-884 (COHM) ITEM 3 OF 7 IN SET 10
TITL: A New transformation invariant in the orbital boundary value problem
/ Richard H. Battin, Thomas J. Fill and Stanley W. Shepperd.
IMPR: Cambridge, Mass. : C. S. Draper Laboratory, c1977.
PHYS: 22 p.
CLNA: The acCharles Stark Draper Laboratory, Inc.
DCRE: 1977 DPUB: 7Sep77 DREG: 8Dec78
APAU: The Charles Stark Draper Laboratory, Inc., employer for hire.
ECIF: 1/B/D
READY FOR NEW COMMAND:

TX-154-886 (COHM) ITEM 4 OF 7 IN SET 10
TITL: The Epoch state navigation filter / Richard H. Battin, Steven R.
Croopnick, Joan A. Edwards.
IMPR: Cambridge, Mass. : C. S. Draper Laboratory, c1977.
PHYS: 21 p.
CLNA: The acCharles Stark Draper Laboratory, Inc.
DCRE: 1977 DPUB: 7Sep77 DREG: 8Dec78
APAU: The Charles Stark Draper Laboratory, Inc., employer for hire.
ECIF: 1/B/D
READY FOR NEW COMMAND:

TX-498-998 (COHM) ITEM 5 OF 7 IN SET 10
TITL: Astrodynamics 1979 : an American Astronautical Society publication /
edited by Paul Penzo {i.e. aPaul A. Penzo}, aBernard Kaufman,
Louis Friedman {i.e. aLouis D. Friedman, Richard Battin {i.e.
aRichard H. Battin}}.
IMPR: San Diego : Univelt, c1980.
PHYS: 2 v.
SEST: Advances in the astronautical sciences ; v. 40, pt. 1{-2} Series
editor, Horace Jacobs
NOTE: Papers presented at the A A S/A I A A Astrodynamics Conference held at
Provincetown, Mass., June 25-27, 1979, under the joint sponsorship of
the American Astronautical Society and the American Institute of
Aeronautics and Astronautics.
ISBN: ISBN 0-87703-197-X. (pt. 1) ISBN 0-87703-109-6 (pt. 2)
CLNA: acAmerican Astronautical Society.
DCRE: 1980 DPUB: 15Feb80 DREG: 24Jun80
ECIF: 1/B/L
XREF: ac<A> A S. SEE American Astronautical Society.
a<A> I A A. SEE American Institute of Aeronautics and Astronautics.
aAstrodynamics Conference, A A S/A I A A. SEE A A S/A I A A
Astrodynamics Conference, Provincetown, Mass., 1979.
PAGE 1 OF 2. READY FOR NEW COMMAND OR PAGE #(FOR NXT PG, XMIT):

TX-498-998 (continued):
aRichard Battlin. SEE Richard H. Battin.
aPaul Penzo. SEE Paul A. Penzo.
aLouis Friedman. SEE Louis D. Friedman.
PAGE 2 OF 2. READY FOR NEW COMMAND OR PAGE #:

TX-2-447-323 (COHM) ITEM 6 OF 7 IN SET 10
TITL: An Introduction to the mathematics and methods of astrodynamics /
Richard H. Battin.
IMPR: Washington, D. C. : American Institute of Aeronautics and Astronautics,
c1988.
PHYS: 796 p.
SEST: <A> I A A education series
CLNA: American Institute of Aeronautics and Astronautics
DCRE: 1987 DPUB: 30Sep87 DREG: 18Nov88
ECIF: 1/B/L
READY FOR NEW COMMAND:

TXu-706-421 (COHM) ITEM 7 OF 7 IN SET 10
TITL: Feint of heart.
PHYS: 1 v.
CLNA: acRichard Battin, 1947-
DCRE: 1995 DREG: 28Aug95
ECIF: 1/B
READY FOR NEW COMMAND:



Date: June 21, 2002

FACSIMILE COVER PAGE

TO

NAME: Dr. Michael A. Minovitch

Location: 2832 St. George Street, #6, Los Angeles, CA 90027

Telephone
Number: (323) 662-0256

FAX Equipment
Number: (323) 644-0375

FROM

NAME: Reference & Bibliography Section - Copyright Office

Location: Washington, DC 20559-6000

Telephone
Number: (202) 707-6850

FAX Equipment
Number: (202) 252-3485

IF THERE ARE PROBLEMS IN TRANSMISSION:

Please Call: Telephone
Reference and Bibliography Section Number: (202) 707-6850
Message (if any): This report will also be sent by mail, including the enclosures indicated.

Fax Message For Rosemary Kelly

June 17, 2002

Dear Ms. Kelly:

I would like a search of your records to determine if any application for any type of copyright for any work by two joint authors whose names are:

Richard H. Battin and J. Halcombe Laning, Jr.

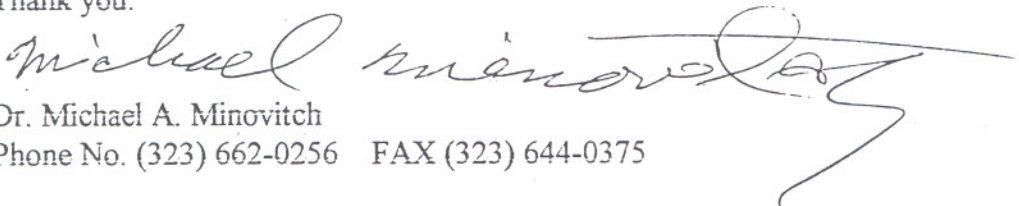
I would like the search to be done on an expedited basis which I understand is \$190. Please conduct the search as broad as possible covering the years 1959 to the present for the last names

Battin and Laning

with any first names and middle initials.

I would like the results to indicate that the search was very broad covering the time period 1959 to the present for any work by the joint authors having the last names Battin and Laning.

Thank you.



Dr. Michael A. Minovitch
Phone No. (323) 662-0256 FAX (323) 644-0375