

Boulder Labs Library, serving NOAA, NIST & NTIA

<http://library.blrdoc.gov/>

## Ringing in a New Year of Research

As your Library Liaison, I want to wish you a Happy New Year and update you on library resources and services for 2012.

In 2011, the Library added a number of books to the collection. Those relevant to Div. 686 are detailed in the list below.

2012 began with a 20% decrease to the Library's overall budget. To learn how these cuts will impact access to research materials see pages 2 & 3 of this newsletter.

As always, the Library staff will continue to support your research needs. If



you have any questions please contact your liaison, Joan Segal at [joan.s.segal@noaa.gov](mailto:joan.s.segal@noaa.gov), x5565

## Selected Books Added in 2011

### Books at Main Library

- QA276 .W2986 2011. **Reliability in scientific research: improving the dependability of measurements, calculations, equipment, and software** / I. R. Walker. ([Website](#))
- QC171.2 .D46 2010. **Atoms, molecules and photons: an introduction to atomic-, molecular-, and quantum-physics** / Wolfgang Demtroder. 2nd ed. ([Website](#))
- QC176.8 .N35 .H35 2011. **Handbook of nanophysics** / edited by Klaus D. Sattler. ([Website](#))
- QC355.3 G38 2011. **Mathematical methods for optical physics and engineering** / Greg Gbur. ([Website](#))
- QC355.3 .K46 2011. **Light fantastic : a modern introduction to classical and quantum optics** / I. R. Kenyon. 2nd ed. ([Website](#))
- QC446.2 .S55 2011. **Introduction to quantum optics: photon and biphoton physics** / Yanhua Shih. ([Website](#))
- QC611.8 .D66 .R37 2010. **Rare earth doped III-nitrides for optoelectronic and spintronic applications** / Kevin O'Donnell, Volkmar Dierolf, editors. ([Website](#))
- QC611 .W86 2011. **Carbon nanotube and graphene device physics** / H.-S. Philip Wong, Deji Akinwande. ([Website](#))
- QD96 .I5 .S59 2011. **Fundamentals of Fourier transform infrared spectroscopy** / Brian C. Smith. 2nd ed. ([Website](#))
- QH212 .T7 .S36 2010. **Sample preparation handbook for transmission electron microscopy: methodology** / Jeanne Ayache ... [et al.] ; foreword by Ron Anderson. ([Website](#))
- T174.7 .N37 2011. **Nanotechnology standards** / Vladimir Murashov, John Howard, editors. ([Website](#))
- TA1675 .R34 2011. **Ultrafast lasers based on quantum dot structures: physics and devices** / Edik U. Rafailov, Maria Ana Cataluna, and Eugene A. Avrutin. ([Website](#))
- TK8304 .M46 2011. **Applied optics fundamentals and device applications: nano, MOEMS, and biotechnology** / Mark A. Mentzer. ([Website](#))

### Highlights

Journals Dropped	2
eBook News	3
Ingenta Intouch	3



## Journal Subscriptions Dropped

Due to budget cuts, the Library has dropped the following journal subscriptions for 2012. All other subscriptions will be online only unless they are not available electronically. Requests to reinstate a journal subscription should be directed to the Boulder Labs Board of Directors via your division's supervisor.



ACTA ACUSTICA UNITED WITH ACUSTICA	KIPLINGER LETTER
ADVANCES IN PHYSICS	LASER FOCUS WORLD & WORLD BUYERS' GUIDE
AIR AND SPACE SMITHSONIAN	LEADING EDGE
ANNALS OF APPLIED STATISTICS	LINUX JOURNAL
ANNALS OF STATISTICS	MACHINE DESIGN
APPLIED PHYSICS EXPRESS ASTRONOMY	MACWORLD
ASTROPHYSICS AND SPACE SCIENCE	MATERIALS EVALUATION
BROADCAST ENGINEERING	MATHEMATICAL INTELLIGENCER
BUSINESSWEEK	MATHEMATICS OF COMPUTATION
CANADIAN JOURNAL OF CHEMICAL ENGINEERING	MICROWAVE JOURNAL
CHEMICAL ENGINEERING	MICROWAVES AND RF
CHEMICAL ENGINEERING PROGRESS	MRS BULLETIN
CHEMISTRY: A EUROPEAN JOURNAL	MSDN MAGAZINE
COMMUNICATIONS IN STATS – SIM AND COMP	NASA TECH BRIEFS
COMMUNICATIONS OF THE ACM	NATURWISSENSCHAFTEN
COMMUNICATIONS ON PURE AND APPLIED MATH	NEW SCIENTIST (Branch copy)
COMPLEXITY	NIR NEWS
COMPUTER MODELING IN ENGINEERING AND SCI	PC WORLD
CONSUMER REPORTS	PHILOSOPHICAL MAGAZINE
CONTEMPORARY PHYSICS	PHYSICS WORLD
CYBERSKEPTIC'S GUIDE TO INTERNET RESEARCH	POPULAR COMMUNICATIONS
ELECTROMAGNETICS	PUBS OF THE ASTRONOMICAL SOCIETY OF JAPAN
EM (ENVIRONMENTAL MONITOR)	PURE AND APPLIED GEOPHYSICS
ENVIRONMENT	QEX
ENVIRONMENTAL CONSERVATION	QST
ENVIRONMENTAL MONITORING AND ASSESS.	QUARTERLY OF APPLIED MATHEMATICS
FEDERAL EMPLOYEES NEWS DIGEST	RADIOPHYSICS AND QUANTUM ELECTRONICS
FEDERAL TIMES (Branch copy)	REMOTE SENSING LETTERS
GEOLOGICAL SOCIETY OF AMERICA BULLETIN	SCANNING
GEOPHYSICS	SEPARATION SCIENCE AND TECHNOLOGY
GEOSPHERE	SIAM JOURNAL ON MATHEMATICAL ANALYSIS
GPS WORLD	SIAM JOURNAL ON OPTIMIZATION
GREEN CHEMISTRY	SKY AND TELESCOPE
INTERFACE	SPACE NEWS INTERNATIONAL
INTL JOURNAL OF MATERIALS RESEARCH	TECHNOLOGY REVIEW
INTERNATIONAL JOURNAL OF METEOROLOGY	THEORY OF PROBABILITY AND ITS APPLICATIONS
INTERNATIONAL JOURNAL OF REMOTE SENSING	WALL STREET JOURNAL
JAPANESE JOURNAL OF APPLIED PHYSICS	WELDING IN THE WORLD
JETP	WELDING JOURNAL
JETP LETTERS	ZEITSCHRIFT FUR NATURFORSCHUNG A
JOURNAL OF APPLIED MECHANICS	
JOURNAL OF BIOMEDICAL OPTICS	
JOURNAL OF CHEMICAL ENGINEERING OF JAPAN	
JOURNAL OF CHROMATOGRAPHIC SCIENCE	
JOURNAL OF COMPUTATIONAL ACOUSTICS	
JOURNAL OF ELECTROMAG WAVES AND APPS	
JOURNAL OF NANOSCI AND NANOTECH	
JOURNAL OF NEAR INFRARED SPECTROSCOPY	
JOURNAL OF OPTICAL COMMUNICATIONS	
JOURNAL OF TESTING AND EVALUATION	
JOURNAL OF THE AUDIO ENGINEERING SOCIETY	
J OF THE METEOROLOGICAL SOCIETY OF JAPAN	
JOURNAL OF TURBULENCE	

## eBook News

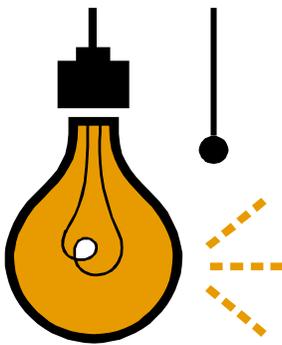
### IEEE-Wiley

Forty new titles were added to the [IEEE-Wiley eBooks Library](#) in 2011, including such works as:

- Laser Diodes and Their Applications to Communications and Information Processing
- Lead-Free Solder Process Development
- Practical Database Programming with Java

The IEEE-Wiley eBooks Library was acquired in August of 2010, and provides instant access to over 500 technical titles in such areas as: Engineering, Communications, and Computing.

With this addition, the Boulder Labs Library also procured site-wide access to the entire [IEEE Xplore](#) database of journals and conference proceedings. Previously, this resource had been available only to Boulder NIST employees.



## Ingenta InTouch Discontinued

The Library's subscription to Ingenta InTouch will expire on June 31<sup>st</sup>. It will not be renewed, because table of contents and search alerts are now freely available from publishers and database providers. Library Liaisons will be contacting users registered with the service to help

### ebrary

The Library is implementing [ebrary](#), an ebook platform that allows access to titles from a large number of publishers. The collection is being built on a title by title basis, and currently consists of these five volumes:

- Changing Climates, Earth Systems and Society
- IAGA Special Sopron Book: Sun, the Solar Wind, and the Heliosphere
- Nanotechnology in Tissue Engineering and Regenerative Medicine
- Quantum Computation and Quantum Information: 10<sup>th</sup> Anniversary Edition
- Signals and Communication Technology: High Quality Visual Experience

As funds permit, we will be expanding this collection with user requests and librarian recommendations.

All of the Library's ebooks are searchable via our [online catalog](#). We welcome your recommendations for books via our [online form](#). Please specify whether you prefer electronic or print format via the drop down menu provided on the form.

### eBook Collections Cancelled Due to Low Use

- Access Science
- Access Engineering



migrate their scheduled alerts to the appropriate publisher and database websites. If you would like more information or assistance please contact Joan Segal at [joan.s.segal@noaa.gov](mailto:joan.s.segal@noaa.gov), x5565