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## 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 ITS.P 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, Mike Robinson at [mike.robinson@noaa.gov](mailto:mike.robinson@noaa.gov), x5569.

## Selected Books Added in 2011

- QC676.7 .T7 .S49 2005. **Introduction to RF propagation** / John S. Seybold.
- TA365 .H26 2008. **Handbook of signal processing in acoustics** / edited by David Havelock, Sonoko Kuwano, Michael Vorländer. ([Website](#))
- TK5101 .I37 2009. **GLOBECOM 2009: 2009 IEEE Global Telecommunications Conference, Honolulu, Hawaii USA, 30 November-4 December 2009** / editors: Mehmet Ulema. ([Website](#))
- TK5102.9 .G69 2011. **Fundamentals of wavelets: theory, algorithms, and applications** / Jaideva C. Goswami, Andrew K. Chan. 2nd ed. ([Website](#))
- TK5102.9 .S71 2011. **Digital signal processing with examples in MATLAB** / Samuel D. Stearns and Don R. Hush. 2nd ed. ([Website](#))
- TK5103.4835 .H83 2011. **Millimeter wave communication systems** / Kao-Cheng Huang, Zhaocheng Wang. ([Website](#))
- TK5103.484 .O33 2011. **OFDM: concepts for future communication systems** / Hermann Rohling, editor. ([Website](#))
- TK6561 .G74 2011. **RF and microwave transmitter design** / Andrei Grebennikov. ([Website](#))
- TK6564.3 .M85 2011. **Multi-mode/multi-band RF transceivers for wireless communications: advanced techniques, architectures, and trends** / edited by Gernot Hueber, Robert Bogdan Staszewski. ([Website](#))
- TK7871.6 .I5 2008. **2008 IEEE Antennas and Propagation Society International Symposium: San Diego, CA, 5-11 July 2008** / IEEE. ([Website](#))
- TK7871.67 .H54 .G73 2011. **Broadband communications via high altitude platforms** / David Grace, Mihael Mohorcic. ([Website](#))
- TK7872 .D48 .N49 2011. **New developments and applications in sensing technology** / Subhas Chandra Mukhopadhyay, Aime Lay-Ekuakille and Anton Fuchs (eds.). ([Website](#))
- TK7874 .R4 2010. **RF and microwave microelectronics packaging** / KenKuang, Franklin Kim, Sean S. Cahill, editors. ([Website](#))
- TK7876 .H66 2011. **Microstrip filters for RF/microwave applications** / Jia-Sheng Hong. 2nd ed. ([Website](#))
- TK7876 .S66 2010. **Microwave and RF engineering** / Roberto Sorrentino, Giovanni Bianchi. ([Website](#))

### Highlights

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## 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	Journal of the Audio Engineering Society
Advances in Physics	J of the Meteorological Society of Japan
Air and Space Smithsonian	Journal of Turbulence
Annals of Applied Statistics	Kiplinger Letter
Annals of Statistics	Laser Focus World & World Buyers' Guide
Applied Physics Express	Leading Edge
Astronomy	Linux Journal
Astrophysics and Space Science	Machine Design
Broadcast Engineering	Macworld
Business Week	Materials Evaluation
Canadian Journal of Chemical Engineering	Mathematical Intelligencer
Chemical Engineering	Mathematics of Computation
Chemical Engineering Progress	Microwave Journal
Chemistry: A European Journal	Microwaves and RF
Communications In Stats – Sim and Comp	MRS Bulletin
Communications of the ACM	MSDV Magazine
Communications on Pure and Applied Math	NASA Tech Briefs
Complexity	Naturwissenschaften
Computer Modeling in Engineering and Sci	New Scientist (Branch Copy)
Consumer Reports	Nir News
Contemporary Physics	PC World
Cyberskeptiс's Guide to Internet Research	Philosophical Magazine
Electromagnetics	Physics World
EM (Environmental Monitor)	Popular Communications
Environment	Pubs of the Astronomical Society of Japan
Environmental Conservation	Pure and Applied Geophysics
Environmental Monitoring and Assess.	QEX
Federal Employees News Digest	QST
Federal Times (Branch Copy)	Quarterly of Applied Mathematics
Geological Society of America Bulletin	Radiophysics and Quantum Electronics
Geophysics	Remote Sensing Letters
Geosphere	Scanning
GPS World	Separation Science and Technology
Green Chemistry	Siam Journal on Mathematical Analysis
Interface	Siam Journal on Optimization
Intl Journal of Materials Research	Sky and Telescope
International Journal of Meteorology	Space News International
Intenational Journal of Remote Sensing	Technology Review
Japanese Journal of Applied Physics	Theory of Probability and its Applications
JETP	Wall Street Journal
JETP Letters	Welding in the World
Journal of Applied Mechanics	Welding Journal
Journal of Biomedical Optics	Zeitschrift fur Naturforschung A
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	

## eBook News

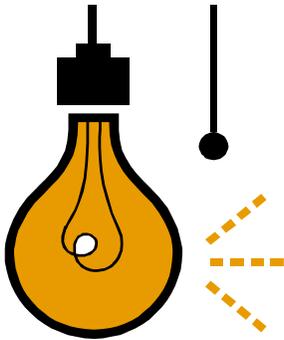
### IEEE-Wiley

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

- Channel Equalization for Wireless Communications : From Concepts to Detailed Mathematics
- Multi-Mode / Multi-Band RF Transceivers for Wireless Communications : Advanced Techniques, Architectures, and Trends
- Wireless Communications

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, Geosciences 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 Mike Robinson at [mike.robinson@noaa.gov](mailto:mike.robinson@noaa.gov), X5569.