



The Analyst

Volume 3, Issue 1

July 2012

Special Symposium Issue

First International Symposium Preparations Nearly Complete



David Beech
The British Library

The date and venue have now been finalized for the **First International Symposium on Analytical Philately**. The Smithsonian National Postal Museum has graciously agreed to host the event.

The Symposium will be held 12-14 November 2012 in the Winton M. Blount Center at the National Postal Museum. Additional information can be found on the IAP web site:

AnalyticalPhilately.org

There will be 19 technical presentations and panel discussions on Monday and Tuesday. The Keynote Speaker will be **Mr. David Beech**, Head of the Philatelic Collections of the British Library in London. Mr. Beech has been involved with widely publicized forensic studies of the Post Office Mauritius stamps and the Grinnell issues of Hawaii. The Special Guest Lecturer

is **Dr. Bruce Kaiser**, Chief Scientist for Bruker Elemental. Dr. Kaiser travels the world showing universities, museums and industry how X-Ray Fluorescence Spectroscopy (XRF) can be applied to a wide variety of problem solving.

Papers will illustrate how the various branches of physics, chemistry and mathematics can be used to provide non-intuitive insight into philatelic problems, thus answering often long-standing questions.

Wednesday morning will be devoted to hands-on experience with the three pieces of forensic equipment in the NPM lab.

There is a nominal registration fee for the Congress which covers the cost of breakfast and lunch refreshments. An informal dinner is planned for the evening of Sunday, 11

November so that attendees may meet one another in a casual environment.

The IAP web site will feature updates to the program schedule as they occur. Those wishing to attend can also preregister online. IAP membership is not required to attend.

WARNING: At this writing there are 44 registrants and only 46 seats. The facility space is strictly limited, there is no opportunity to expand our seating.

The 44 registrants hail from five countries. They range in scientific experience from university professors to forensic neophytes. We hope that all attendees will leave the Symposium understanding the types of puzzles forensics can help solve.

The complete Symposium program will be found at the end of this newsletter.

Dr. Bruce Kaiser
Bruker Elemental

Our First Election is at Hand

Pursuant to the bylaws of the Institute for Analytical Philately, Inc., our Board of Directors serves for a term of three years. While hard to believe, our first three years of operation will conclude in December 2012.

Nominations for directors will be accepted until 1 November 2012. At this time, nominees are:

David L. Herendeen, founder, Patron and currently President of IAP

John H. Barwis, founder, Patron and currently Vice President of IAP

Jame A. Allen, founder, Patron and current Director of IAP.

Kenneth R. Nilsestuen, founding member, Sponsor and currently Treasurer of IAP

Dwayne Littauer, founding member and currently Legal Council for IAP.

Founder, Patron and Director **Robert Hisey** has retired and assumed a role as Emeritus Director and consultant to the board.

The position of director requires experience as a

senior manager in industry or a full professorship at a university. It also requires a strong interest, and ideally experience, in a scientific discipline. All nominees will be reviewed by the current Board to insure their suitability.

An electronic ballot will be sent to members in early December and the results announced by the end of the year.

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Proceedings to be Published by Smithsonian

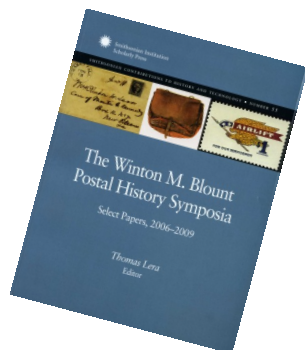
The proceedings of the Symposium will be published by the Smithsonian Institution Scholarly Press (SISP). This volume will be similar in production quality to *The Winton M. Blount Postal History Symposia, Select Papers, 2006-2009* edited by

Tom Lera, which appeared in 2010 (See photo).

Because all such SISP publications must contain refereed original research, the book will not appear until perhaps six months after the conclusion of the Symposium.

All authors have received instruction packets that set forth the writing requirements. It is expected that audio recordings of panel discussions will be made and transcribed for the proceedings.

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Lab Space at NPM

With three major pieces of analytical equipment in-house, there is no doubt that the NPM is now the preeminent philatelic forensic resource in the world.

The forensic equipment includes the Bruker Tracer III-SD, a device that performs X-Ray Fluorescence analysis. The second is the Bruker ALPHA FT-IR which allows for the

identification of organic compounds using infrared spectroscopy, and the third is the Video Spectral Comparator (VSC) 6000 which performs analyses in the visible and near-visible spectrum.

Tom Lera, the Winton Blount Chair of Research at the NPM, shepherd of all this wonderful technology, has now obtained “lab space” at the NPM for the

new spectroscopic hardware. The VSC will remain in the library area.

These resources are available for collectors to use by making arrangements at the NPM through Tom who may be contacted at LeraT@si.edu.

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Alliance with Vincent Graves Greene Philatelic Research Foundation



Dave Herendeen, president of IAP, and Ted Nixon, Chairman of the Vincent Graves Greene Philatelic Research Foundation located in Toronto, Ontario, Canada, announce that the two organizations have entered into an Alliance Agreement.

As with all IAP Alliance Agreements, it is planned that IAP and the Foundation might co-fund, and otherwise support, research activities in the future.

The Foundation was established in 1975. The initial funding consisted of a series of gifts made by Vincent Graves Greene.

The Foundation bears the name of Vincent Graves Greene who was considered to be the Dean of Canadian Philatelists. He was a signatory of the Roll of Distinguished Philatelists; a recipient of the Lichtenstein Award; and a Fellow of both the Royal Philatelic Society, London and the Royal Philatelic Society of Canada. He served on many

international juries and made significant contributions to all areas of philately.

The Foundation is incorporated and registered as a charitable organization for Canadian tax purposes.

The Purpose of the Foundation

The primary purpose of the Foundation is to encourage and promote research in the fields of philately and postal history. To carry out this purpose, the Foundation is empowered to raise and distribute funds, to enter into arrangements with various authorities and to employ staff as necessary to attain its objectives. The five main functions of the foundation are:

- *The establishment and maintenance of a comprehensive library for research and study purposes.*
- *The provision of expertization service for the validation of Canadian philatelic and postal history items.*
- *To conduct or support lecture programmes or courses of*

study designed to improve and expand the knowledge of Canadian philatelists and postal historians.

- *To encourage, participate and organize philatelic and postal history exhibitions, competitions and displays.*
- *To underwrite and publish philatelic and postal history research work in various formats.*

In addition, the Foundation will make available meeting space for suitable organizations. The Library is open to groups meeting at the offices of the Foundation and at other times by special arrangement.

VSC6000

The VGG Foundation recently added a Foster+Freeman VSC6000 to their expertizing laboratory. They have already achieved some useful results that will be presented at the Symposium in November.

For more information, visit their web site at:

greenefoundation.ca/

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Excellent Overseas Participation in Symposium

At this writing, representatives from five countries, including the US, will be attending the Symposium. Even more importantly, four of them will be giving presentations. These include **David Beech** (UK), the keynote speaker, **Abed H. Najjar** (UK), **Garfield Portch**

(Canada) and **Dr. Dieter Bortfeldt** (Colombia).

In total, there will be five representatives from the UK, three from Canada, one from Sweden and one from Colombia.

The US participants are from many states including

Arizona, California, Florida, Nevada, Maryland, Michigan, New Jersey, New Mexico, New York, Pennsylvania, Texas, Utah, and Washington.

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Gross Gallery Official Groundbreaking



On 4 June 2012, the official groundbreaking ceremony for the new Gross Gallery at the Smithsonian National Postal Museum was held in Washington, DC. A number of IAP members, shown below, participated in the ceremony. The NPM can still use donations to fund this incredible achievement. For more information, and to donate, go to:

postalmuseum.si.edu/StampGallery/

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Mike Plett



Gordon Eubanks



Ian Gibson-Smith



John Hotchner



David Straight



Dave Herendeen



Tom Lera



Wade Saadi

New Global Philatelic Library

The Royal Philatelic Society London (RPSL) has joined forces with the Smithsonian National Postal Museum (NPM) and the American Philatelic Research Library (APRL) to launch the

GlobalPhilatelicLibrary.org website, a centralized information gateway to the world's greatest philatelic library.

At this writing, there are 16 contributing philatelic libraries and participants. In addition to the founding partners, there are libraries from Australia (3), Canada, Germany, Norway, the

UK (3) and the US (5).

This website allows the user to go directly to the web sites of any of the 16 organizations, or to search the major libraries. The RPSL index alone includes 720,000 records, the APRL 300,000, and the NPM 40,000.

As work continues it is expected that the indexes will grow larger and the integration will continue. This library is a much needed resource for philatelists everywhere.

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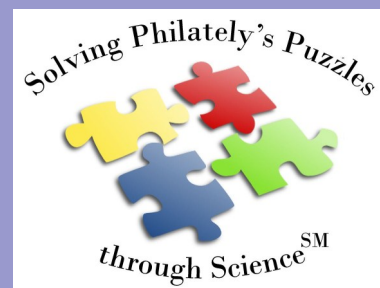
Institute for Analytical Philately, Inc.

Organizer and Sponsor:

David L Herendeen
President
Institute for Analytical Philately, Inc.

Host:

Thomas Lera
Winton M. Blount Chair of Research
Smithsonian National Postal Museum



FIRST INTERNATIONAL SYMPOSIUM ON ANALYTICAL METHODS IN PHILATELY

PROGRAM SCHEDULE

12-14 November 2012

Smithsonian National Postal Museum

Washington, DC

SUNDAY EVENING, 11 NOVEMBER 2012

18:30

No-Host Cocktails and Dinner for Attendees
Location To Be Determined

MONDAY, 12 NOVEMBER 2012

08:00-08:30

Registration and Refreshments

08:30-08:35

Welcoming Comments, Dave Herendeen, IAP

08:35-08:40

NPM Procedures:

Museum Rules and Directions, Tom Lera, NPM

08:40-08:55

Personal Introductions by Attendees

08:55-9:40

KEYNOTE ADDRESS

The Place of Analytical Methods in Philately
David Beech (British Library, London, UK)

09:40-10:25

SPECIAL GUEST LECTURE

Using XRF for Philatelic Analysis

Dr. Bruce Kaiser (Chief Scientist, Bruker Elemental, USA)

10:25-10:40

The Group Brainstorming Exercise

John Barwis (IAP)

10:40-10:55

Break (15 Minutes)

10:55-11:40

Measuring Paper Characteristics of the U.S. Three-Cent
Bank Note Co. Issues
John Barwis (IAP)

11:40-12:15

A Comparative Study of Security Measures
Used by Stamp Printers
Garfield Portch and Charles Verge (VGGF, Canada)

12:15-13:00

Comprehensive Forensic Investigation of three
Great Britain 1858-79 1d Plate 77 stamps on Cover
Abed H. Najjar (London, UK)

13:00-13:55

Catered Lunch

13:55-14:40

WORK IN PROGRESS

Reflectance Spectroscopy of Colored Overprints
Dr. Lyman Caswell (IAP)

New Ways of Looking at Pre-Philatelic Inks
Dr. Dieter Bortfeldt (Colombia)

14:40-15:25

Application of PIXE Analysis to Philately
Prof. Thomas E. Gill (University of Texas at El Paso)

15:25-15:40

Break (15 Minutes)

15:40-16:20

Statistical Estimates of Rare Stamp Populations
Dave Herendeen (IAP) and
Prof. Gary C. White (Colorado State University)

16:20-17:00

A Layman's Forensic Adventure
Roland H. Cipolla II

17:00

Adjourn for the Day

DINNER – OPEN

Please see the list of restaurants
in your Portfolio.

SOME OF OUR SPEAKERS...



ORGANIZER
David L. Herendeen
President
IAP



Dr. Bruce Kaiser
Chief Scientist
Bruker Elemental
Special Guest Lecture



David Beech
Head, Philatelic Collections
British Library (UK)
Keynote Address



HOST
Thomas Lera
Blount Research Chair
National Postal Museum



John H. Barwis
Vice President
IAP

TUESDAY, 13 NOVEMBER 2012

08:00-08:30

Refreshments

08:30-09:15

US 1851 3c – Color, Chemistry, and Changes

Jim Allen (IAP)

09:15-10:00

Documenting Science in the Philatelic Literature

Dave Herendeen (IAP)

10:00-10:45

Analytical Philately of the London Printings
of Chile 1853-1862

Tom Lera (NPM) and Jennifer Giaccai (MCI)

10:45-11:00

Break (15 Minutes)

11:00-11:45

Complimentary Micro Raman and Micro Energy Dispersive
X-Ray Fluorescence Analysis for Applications in Philately
Prof. Gene Hall (Rutgers, State University of New Jersey)

11:45-12:30

A Forensic Study of the Ink and Paper of the
Typographed 1862 5c Blue CSA Stamps

Dr. Harry G. Brittain (Center for Pharmaceutical Physics)

12:30-13:30

Catered Lunch

13:30-14:30

PANEL: PLANNING A RESEARCH PROJECT

Jennifer Giaccai (Smithsonian MCI), Moderator

Dr. Harry G. Brittain (CPP)

Dave Herendeen (IAP)

14:30-15:15

Multispectral Imaging

Dr. William Christens-Barry (Equipoise Imaging, LLC)

15:15-15:30

Break (15 Minutes)

15:30-16:15

Where Do We Go from Here?

Summary of Group Brainstorming Exercise

John Barwis (IAP)

16:15-17:00

Closing Comments and Attendee Feedback

Dave Herendeen (IAP)

DINNER – OPEN

Please see the list of restaurants

in your Portfolio.

... MORE OF OUR SPEAKERS



Jame A. Allen
Director
IAP



Prof. Gene Hall
Rutgers University



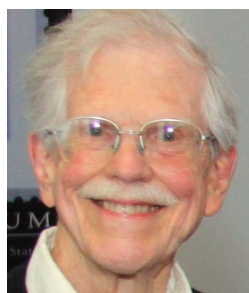
Dr. William
Christens-Barry
Equipoise Imaging



Abed H. Najjar
IAP (UK)



Dr. Harry G. Brittain
Center for Pharmaceutical
Physics, Inc.



Lyman Caswell
IAP Fellow



Prof. Tom Gill
University of Texas
El Paso



Garfield Portch
Vincent Graves Greene
Foundation (Canada)



Dr. Dieter Bortfeldt
IAP (Colombia)



Jennifer Giaccai
Smithsonian Museum
Conservation Institute

WEDNESDAY, 14 NOVEMBER 2012

08:00-09:00

PANEL: FORUM ON NPM FORENSIC EQUIPMENT

Tom Lera (NPM), Moderator
Dr. Bruce Kaiser (Bruker Elemental)
Jennifer Giaccai (Smithsonian MCI)

09:00-12:00

**DEMONSTRATION OF NPM FORENSIC DEVICES
BY DOMAIN EXPERTS**

THE VIDEO SPECTRAL COMPARATOR (VSC6000): Tom Lera

BRUKER TRACER III-SD XRF SYSTEM: Dr. Bruce Kaiser

BRUKER FT-IR: Jennifer Giaccai

Other IAP Members with experience will also be available to answer questions

**ALL ATTENDEES ARE ENCOURAGED TO PARTICIPATE. BRING SOME STAMPS
AND COVERS AND YOU CAN SEE "LIVE" ANALYSES!**



VSC 6000



Bruker FT-IR



Bruker Tracer III-SD XRF