

IPS RESOURCE DIRECTORY

2013-2014 edition

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Welcome to the 2013-2014 edition of the *IPS Resource Directory*. This Directory provides an extensive list of companies and organizations that offer products or services of interest to planetarians.

We contacted each company to request its most current information and product descriptions, and we thank the many companies who responded to our inquiries. Records for other companies were updated by examining a variety of sources including their web sites and promotional literature.

The roster of companies has been refined since the previous edition. Some companies have been dropped and others added from vendor/exhibitor lists at IPS and regional affiliate conferences, from promotional literature received by the Editor, from company web sites, from listing in the "Waxing New" column in the *Planetarian*, and from other miscellaneous sources. Companies have been selected with the interests of both small and large planetariums in mind.

The general organization and layout of the previous edition have been retained. We have released all files in PDF format for their universal access, their ease of reading and searching, and ease of printing to a paper copy if desired. For further ease of use, we have created separate files for the header material, the Directory itself (the Company List and the Product Category Pages), and for each index.

This Directory is provided by IPS as a service to its members, and does not represent an endorsement by IPS, its Officers, or the Editor of any products or services of the companies or organizations listed herein. All claims made in product descriptions are solely those of the company or organization.

We have attempted to make this Directory as complete, up-to-date, and accurate as possible. It is inevitable however that the directory will contain some errors and omissions, and the information itself is always in a state of flux. We cannot be responsible for information that has changed since we received it, nor for consequences of typographical errors or omissions, nor for the accuracy of records for companies who did not respond to our request to verify and update their information, nor can we be held liable for damages arising from use of the information or descriptions contained in this Directory.

We especially ask users of the Directory to inform us of companies that should be added (or dropped) in future editions.

An update form is included in the Directory. If you spot errors or know of information that has changed or if you know of companies that should be added (or dropped), please contact the Editor by email <dsmith@newton.bgsu.edu>, fax (1-419-372-9938), or postal mail (Dept. of Physics & Astronomy, Bowling Green State University, Bowling Green, Ohio 43403, USA). An on-line update form is available on the IPS web site <www.ips-planetarium.org>.

This Directory is provided to all on the IPS web site and is sent to IPS members on a CD.

Dale W. Smith, Editor
30 November 2013

Sections of the Directory

This Directory contains six sections. Each section is contained in a separate file.

(1) Header pages

Editor's notes, explanatory material, and an update form.

(2) Company/Organization List

An alphabetical list of all companies and organizations with contact information, names of staff members, and a brief description of products or services the company or organization offers.

(3) Product/Category Pages

For each of 27 product categories, lists of the names of all companies providing products or services in that category. Entries include links to company web sites and email addresses; they also include names of staff members and links to their email addresses. Some entries include additional product information or descriptions provided by the company. (Some descriptions have been edited to conform to Directory standards.)

(4) Country Index

An index of companies sorted by country.

(5) Staff Index

An alphabetical index of all company staff listed in the Directory. Each line includes the page the person is listed on in the Company/Organization List, the name of his or her company, and an email link if available.

(6) Web Site Index

An alphabetical list of companies with links to their web sites and email addresses.

Explanation of Entries in Company/Organization List

Each entry contains all or part of the following information in this order:

Name of the company or organization

If the name of the company is also the name of a person, e.g. *Claudius Ptolemy*, it may appear in the form *Ptolemy, Claudius* for purposes of the alphabetical list of company names.

Mailing address

Abbreviations of American states and Canadian provinces are given on a separate page.

Telephone and fax numbers

In international format including the country code, area or city code, and number.

Email address

Printed in italics in internet form.

Web site address

All web addresses are to be preceded by `http://` except as noted.

Short description of company's products or services

Written by the Editor.

Product categories that apply to the company's products or services

According to the product/category key (given on a separate page).

Name of contact persons and/or other staff at the company.

Explanation of Entries in Product/Category Pages

Each entry contains all or part of the following information in this order:

Name of the company or organization

Description of company's products in the category

Provided by the company.

Link to company's web site

Link to company's email address

Names of staff members and links to their email addresses

Product/Category key

Category

includes

- A1 Planetarium Environment..... *domes, lighting systems, seating*
- A2 Planetarium Projectors..... *star projectors*
- A3 Large Format Projection *large format film/video/laser projection*
- A4 Planetarium Control *automation/control systems*
- A5 Portable Planetariums..... *portable domes, projectors, accessories*
- B Audio Hardware *amps, speakers, tape decks, CD players, microphones, audio control systems*
- C Audio Software..... *CDs, cassettes, original compositions*
- D Photography/Darkroom..... *cameras & accessories, film, slide mounting & storage, graphics supplies*
- E Slide Projection *projectors, lenses, stands, dissolve units, multi-media programmers*
- F Slides *35mm slides, panoramas, all-skies, original artwork*
- F1 Planetarium Shows *program kits*
- F2 Full-Dome Shows/Software *full-dome shows & films, full-dome video, full-dome laser programs*
- G Special Effects *projectors, small-format lasers, x-y slews, zooms, rotators*
- H Video Hardware *VCRs, monitors, video disc players, DVD players, video projectors*
- I Video Software..... *video tapes & films , video discs, DVDs*
- J Misc. A/V Equipment..... *overhead projectors, projection screens, other A/V equip.*
- K Parts/Surplus/Lamps/Repairs .. *motors, lenses, electronics, electrical, lamps & bulbs, repairs*
- L Computer Hardware..... *computers, peripherals, interfaces*
- M Computer Software *education & application programs, CD-ROMs*
- N Teaching Materials..... *posters, models, globes, lab kits, teacher packets*
- O Telescopes/Binoculars *telescopes, binoculars, optics, mounts, filters, astrophotography, CCDs*
- O1 Observatories..... *astronomical observatories*
- P Books/Reference Materials *textbooks, atlases, almanacs, printed materials*
- Q Organizations/Periodicals *associations, societies, journals, magazines*
- R Gift Shop *t-shirts, toys/games, imprinted items*
- S Consultant Services *theatre design, show & multimedia design, online/web products*
- T Miscellaneous

Telephone number information

International calling

To make an international call, you must first dial your country's international access code, represented in the directory listings by the + sign, followed by the number that is listed in the directory. In the United States the country code is 1 and the international access code is "011". Calls within and between the USA and Canada normally need dial only the number that is listed, including the country code 1, except for local calls. Domestic calls within other countries omit the country code, but commonly precede the remaining digits with a "0".

Toll-free calling

Numbers in the United States with area code 800, 888, 877, 866, 855, and 844 are toll-free for many callers. The toll-free range usually includes all of the United States and sometimes includes Canada. If you call from outside the toll-free range, the call will be billed as a normal toll call.

US/Canadian area codes

Many area codes in the United States have been changed in the last several years. To our knowledge, we have printed the area code in effect at press time. Information on recent and pending changes may be found on the web at [http:// www.LincMad.com/index.html](http://www.LincMad.com/index.html).

US state & region/Canadian province & territory abbreviations

United States	MD	Maryland	UT	Utah	
AL	Alabama	MI	Michigan	VA	Virginia
AK	Alaska	MN	Minnesota	VT	Vermont
AS	American Samoa	MO	Missouri	WA	Washington
AR	Arkansas	MS	Mississippi	WV	West Virginia
AZ	Arizona	MT	Montana	WI	Wisconsin
CA	California	NC	North Carolina	WY	Wyoming
CO	Colorado	ND	North Dakota		
CT	Connecticut	NE	Nebraska	Canada	
DE	Delaware	NH	New Hampshire	AB	Alberta
DC	Dist. of Columbia	NJ	New Jersey	BC	British Columbia
FL	Florida	NM	New Mexico	MB	Manitoba
GA	Georgia	NV	Nevada	NB	New Brunswick
GU	Guam	NY	New York	NL	Newfoundland
HI	Hawaii	OH	Ohio	NS	Nova Scotia
IA	Iowa	OK	Oklahoma	NT	Northwest Terr.
ID	Idaho	OR	Oregon	NU	Nunavut
IL	Illinois	PA	Pennsylvania	ON	Ontario
IN	Indiana	PR	Puerto Rico	PE	Prince Edward Is.
KS	Kansas	RI	Rhode Island	QC	Quebec
KY	Kentucky	SC	South Carolina	SK	Saskatchewan
LA	Louisiana	SD	South Dakota	YT	Yukon Territory
MA	Massachusetts	TN	Tennessee		
ME	Maine	TX	Texas		

IPS Resource Directory update form

name and address

Name of company or organization: _____

Address: _____

City _____ State/Province _____

Postal code _____ Country _____

phone numbers

[1 for USA]

country code city/area code phone number explanatory notes (if needed)

_____ _____ _____ *phone* _____

_____ _____ _____ *toll-free phone* _____

_____ _____ _____ *fax* _____

_____ _____ _____ *toll-free fax* _____

_____ _____ _____ *other* _____

electronic addresses

email address: _____

web site address: _____

Staff Listing:

1st person: _____

3rd person: _____

job: _____

job: _____

email: _____

email: _____

phone: _____

phone: _____

2nd person: _____

4th person: _____

job: _____

job: _____

email: _____

email: _____

phone: _____

phone: _____

Product categories and descriptions

List each product category that applies to your company's products or services:
(please refer to the product/category key for a list of categories and what they include)

For each category that you list, you may provide for the Directory a description of the types of products or services you offer in that category.
(50-word limit in each category & 250-word maximum over all categories)

Category _____ Description _____

Category _____ Description _____

Category _____ Description _____

Category _____ Description _____

Category _____ Description _____

Category _____ Description _____

