



PHYCOLOGICAL NEWSLETTER

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Editors:

Alison R. Sherwood Juan Lopez-Bautista
Dept. of Botany Dept. of Biological Sciences
Univ. of Hawaii Univ. of Alabama
Honolulu, HI 96822 Tuscaloosa, AL 35487
Email: asherwoo@hawaii.edu

2006 PSA Award of Excellence

Michael James Wynne

It is tempting to describe Mike Wynne as the last of the world's phycological Mohicans in that he is virtually one of few remaining botanists who can work on a seaweed flora in any part of the globe and identify the new and exciting in that flora. However, Mike's talents are much more extensive than that: he has an encyclopaedic knowledge of the algae, particularly of the marine flora, which is wonderfully expressed in one of phycology's best known textbooks, *Bold & Wynne*, published by Prentice-Hall, well-worn copies of which can still be spotted on many a phycologist's shelf of critical works of reference. *Bold & Wynne* will always be a professional's text, in the same way as *Oltmanns and Fritsch*, but far more readable!

Mike's early work, surprisingly, was on brown algae: he was one of the last of G.F. Papenfuss's PhD students at Berkeley, and his thesis, on brown algae, included some of the earliest life history studies, despite the fact that most of GFP's students worked on red algae.

Most members of the PSA have learned what they know of those evocative authority names that hang around at



Prof. Mike Wynne (left) with PSA President Morgan Vis (right) at the PSA Banquet in Juneau, Alaska in July, 2006.

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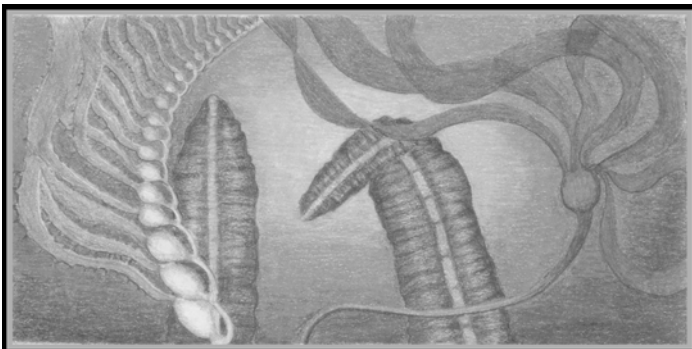
the ends of binomials such as Weber-van Bosse, Børgesen, Skottsberg, and Zanardini from his "Phycological Trailblazers" series in the PSA's Newsletter. A new book "Portraits of marine algae: an historical perspective" on this very subject by Mike will shortly appear. Communicating the history of phycology is very important; we cannot appreciate the present without some knowledge of the past.

Some may have found Mike's discovery of older names and nomenclatural oddities very irritating; but his work in this area is painstaking in the extreme, and requires an extraordinary depth of expertise and knowledge, now sadly the realm of the very few.

His great labour of love, taxonomically, has been that most elegant and higher-plant-like family, the old Delesseriaceae. Bedevilled with a world-wide distribution and a long history of collection and description, confusion and obfuscation, the family has benefited hugely from Mike's lifelong attention to detail, with many new and beautiful entities being described from locations as far separated as Alaska and Oman.

Mike's check-lists of the Caribbean - a second revision has just appeared - have brought sense to an extraordinarily diverse and interesting flora, and are of enormous assistance to those working in this largely developing part of the world.

Mike Wynne is truly a world-class phycologist and a great credit to his department, his institution (University of Michigan, Ann Arbor) and to the United States.



PSA 2006 in Juneau, Alaska

The 60th Annual Meeting of the Phycological Society of America was held from 6 through 12 July 2006 in spectacular Juneau, Alaska and was hosted by local organizer Mike Stekoll. The Northwest Algal Symposium met in conjunction with PSA at Centennial Hall Convention Center in downtown Juneau.

The meeting was the first time PSA has used a Plenary/Mini-symposium/Featured contributed talks format. Each of the four mornings of the meeting was kicked-off by a Plenary speaker: Robert Paine headlined a session on *The experimental ecology - macroalgae connection*; Mark Hildebrand a session on *Molecular, biochemical, and genomics approaches for phytoplankton research*; Paul Falkowski a session on *The evolution of modern marine eukaryotic phytoplankton*; and Edward Theriot a session on *The scale of taxonomic, biogeographic, and paleontologic resolution and how it affects our understanding of diatom ecology and evolution*. Each plenary was followed by one to three 30-minute invited mini-symposium talks and then four related 15-minute contributed talks.

In addition to the invited program, the meeting featured 17 outstanding Bold Award talks spread over the first two afternoons. Juneau was also the first PSA meeting for the new Student Poster Awards. Overall, approximately 160 participants were treated to 88 scheduled oral presentations and 65 posters.

The meeting also allowed participants to interact less formally during social events. Our

host and sponsor, The University of Alaska Southeast, hosted the opening mixer with lavish hors d'oeuvres at its scenic Auke Lake campus. This was followed by the always popular PSA Auction and Mixer the next night at Centennial Hall where the participants were again treated to a lavish spread of food and entertained by auctioneer-extraordinaire, Paul Kugrens. The poster session was coupled with another Centennial Hall mixer following the mid-meeting field trip day. Finally, the social events of the meeting were capped off by an informal but very "Alaskan" banquet at the Gold Creek Salmon Bake.

Juneau and the rest of southeastern Alaska is truly a spectacular destination, and meeting participants were treated to a variety of pre- and mid-meeting field trips that included intertidal collecting, freshwater collecting, glacier/fjord cruises, float-plane or helicopter trips over the Juneau Icefield, kayaking, fishing, and whale-watching. The capstone event of PSA 2006 was a three-day post-meeting field trip to the open coast area near Sitka which was organized and led by Sandra Lindstrom. A beautiful phycological ending to a wonderful week (plus) of phycology!

Chuck Amsler
PSA Program Director



Phycologists enjoying the post-meeting field trip to Sitka, Alaska, led by Sandra Lindstrom.



2006 Bold and PSA Poster Award Winners

Congratulations to both Pema Kitaeff and Kimberlee Thamatrakoln, who were both awarded the Bold Award at the PSA Annual Meeting in Juneau, Alaska in July, 2006. Pema spoke on 'Distribution of symbiotic algae with the intertidal sea anemone *Anthopleura xanthogrammica* in Alaska and Oregon', and Kimberlee delivered a presentation on 'Comparative sequence analysis of diatom silicon transporters: towards a molecular model of silicon transport'.

The first-ever PSA Poster Award was awarded at the annual meeting to Kang-Sup Yoon for his poster: Purification, Characterization and cDNA cloning of a novel N-acetyl-D-glucosamine/N-acetyl-D-galactosamine-Binding Lectin from the Green Alga *Bryopsis plumosa*.

Congratulations Pema, Kimberlee and Kang-Sup! Congratulations also to all students who participated in the Bold Award session (see photo above) and Poster Award session (see photo below) and contributed to the high quality of scientific presentation at the meeting.



PSA Education Workshop Report: Algae and the Broader Impacts of Science July 8, 2006 Juneau, Alaska by Gisèle Muller-Parker and Rich Triemer

The workshop provided an overview of how phycologists and PSA may engage in education and outreach activities that meet the National Science Foundation's "Broader Impacts" review criterion. Four areas of "Broader Impacts" activities were addressed: "Broader Impacts" in general, teacher professional development, public outreach, and outreach to members of under-represented groups. Respondents to a pre-workshop survey were equally interested in these four topics.

The first hour of the workshop consisted of presentations, including an overview by Gisèle Muller-Parker (NSF) on the NSF Broader Impacts Criterion and NSF programs that address education and public outreach. This was followed by presentations that showcased algae-based education and public outreach. Rich Triemer (Michigan State) spoke about his online database and training and resources for teachers, Lise Weise (Holt High School, Holt, MI; NSF Research Experiences for Teachers teacher) spoke about her experiences using euglenoids in the classroom, Mark Farmer (Univ. of Georgia) discussed effective practices to provide outreach to students from underrepresented groups, and Rui Pereira (Univ. Connecticut) described the Bridgeport Aquaculture College Alliance programs.

In the second hour, about 35 of the approx. 60 attendees participated in small group discussions. The main points raised in each group are summarized in a more detailed report (available via the PSA website at www.psaalgae.org). We hope this report will stimulate phycologists to engage in some of these activities and to share their experiences at future PSA meetings. The PSA Education Committee may also use this report as guidance for developing outreach efforts for the Society.

PHYCOLOGICAL TRAILBLAZER

No. 25: Hannah T. Croasdale

Hannah Thompson Croasdale was a major figure in 20th century studies on algae. She was also a significant figure in her contributions to the Phycological Society of America in its early stages and throughout her long career. In fact, she was one of the eleven “founding members” of the Society and the only female. But she was always self-effacing, going about her work quietly but with dedication and resolve. Hannah was born in Daylesford, Pennsylvania, in 1905, to Quaker parents who encouraged her to always strive for lofty goals. She attended the University of Pennsylvania, receiving her B.S. degree in 1928. Starting in the summer of 1930, she began working at the Marine Biological Laboratory in Woods Hole as a “botany collector” and instructor, and she continued to perform those duties for the decade of the 1930s. Under the mentorship of Wm. R. Taylor, she pursued advanced degrees in botany back at Penn, earning the M.S. degree in 1931 and the Ph.D. degree in 1935. Her dissertation publication, entitled “The Freshwater Algae of Woods Hole, Massachusetts” (which she published on her own in 1935) was awarded the Sigma Xi Prize for a thesis.

In 1937 Hannah joined the Dartmouth Medical School as a research assistant. Then she transferred to working as a technical assistant in the Dept of Zoology at Dartmouth College, holding that position up to 1953. She pursued her interests in the algae on her own time, on weekends and summertime. In the summers of 1939-1941, she co-taught a course on algae with Gerald W. Prescott at the University of Wyoming’s field station at Flathead Lake in Montana. That association led to a productive

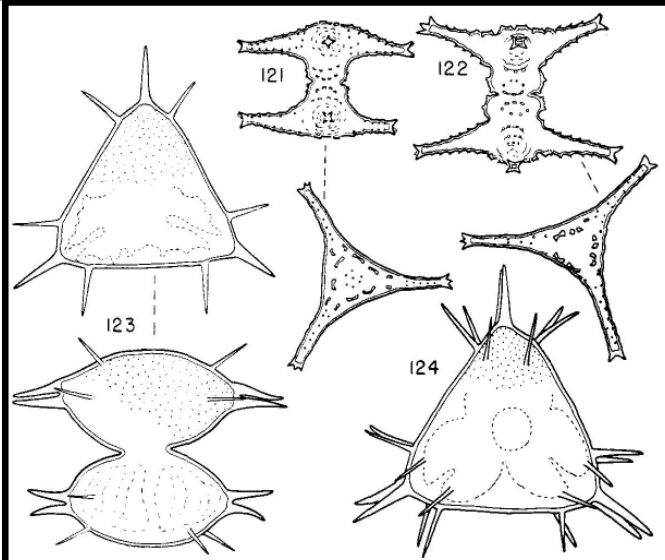
collaboration on their mutual research interests, especially the desmids. Starting in 1943 and on through 1950, she was an instructor in the summer algae course at the venerable Marine Biological Laboratory at Woods Hole, MA. Her research was funded by grants from the National Science Foundation (1952-1955). Over the summers, by boat and by bicycle, she conducted her intensive survey of the distribution of both the marine and freshwater algal flora of Cape Cod. She displayed boundless energy, and in her prime she was known to swim without fear across the channel known as “Quicks Hole”, between Nashawena and Pasque Islands, where the currents are extremely dangerous when the tidal flow changes. Hannah was very generous in sharing her collections with others, as she did with Grönblad, sending him her collections made over a three-year period in Vermont, New Hampshire, and in the area of Woods Hole, MA (Grönblad, 1956).

Starting in the mid-1950s, Hannah’s research interest became more oriented toward the desmids, and this necessitated a broad international outlook. She collaborated with other desmid specialists around the world, including Einar Teiling in Sweden, Rolf Grönblad in Finland, and Arthur M. Scott in the USA. A prolific record of publications appeared, covering the desmids of such regions as Labrador, Ellesmere Island, Alaska, Namibia, Sierra Leone, Uganda, Australia, and the Amazon Basin.

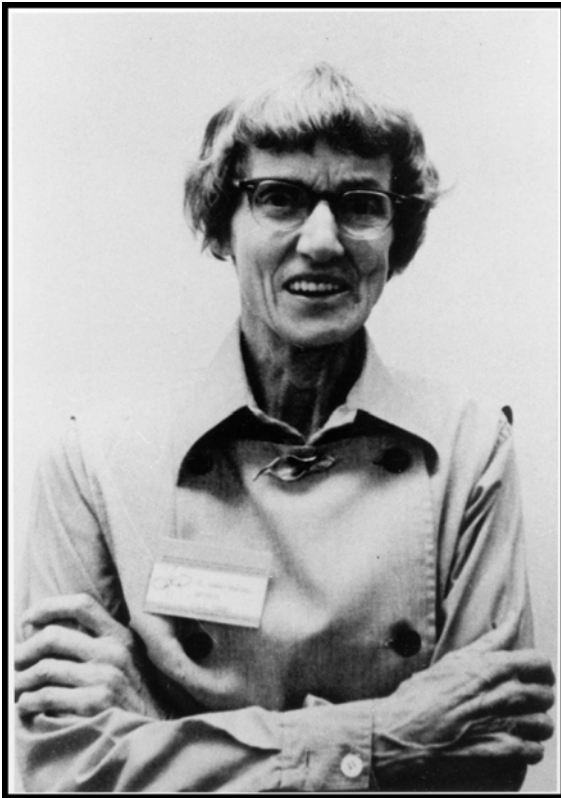
It was not until 1953 that she was granted faculty status (the rank of Instructor) at Dartmouth. She spent that summer doing field work in the United Kingdom and in Scandinavia. The following year Hannah received a grant from the Arctic Institute of North America that allowed her to spend the summer collecting algae and mosses in various parts of Alaska. She was promoted to Research Associate with the rank of Assistant Professor in 1959. Her attention turned to the freshwater algal flora of Alaska in the early 1960s, and this work was also supported by NSF grants. In 1961 she was promoted to Research Associate with the rank of Associate Professor, but it was not until 1963 that she was permitted to actually give lectures at Dartmouth.

Hannah’s skill as a translator of scientific Latin, both Latin into English or English into Latin, was well known. Randolph Taylor arranged to get funding for Hannah to translate the large monograph (in Latin) on *Sargassum* by Grunow (1915-1916). Stearn’s (1966) *Botanical Latin* is dedicated to Hannah Croasdale and Erik Wikén in recognition of their help “to botanists perplexed by the Latin language.”

Although Dartmouth might have been slow to recognize the gem in their midst, the Phycological Society of America recognized Hannah Croasdale’s achievements, electing her their Vice-President in 1964. It was that same year that Dartmouth promoted her to Associate Professor of Biology, with tenure.



Taxa of *Staurastrum* from Croasdale (1957, plate VIII).



Hannah Croasdale, PSA President in 1967
(Courtesy of Bruce C. Parker, PSA Archives)

Hannah was an excellent botanical illustrator, her drawings appearing in the first five editions of the popular textbook "Botany" by Carl L. Wilson. She also provided the illustrations for Teilung's (1967) "The desmid genus *Staurodesmus*." In her pursuit to understand desmids on an international basis, she set about to compile an Iconograph that contained more than 55,000 drawings and descriptions of all desmids that had ever been described (Stein, 1987b), a huge undertaking! This monumental work was in association with her friend Gerry Prescott as well as Bill Vinyard and Carlos Bicudo and was supported by further funding from the NSF. Eventually, there was published with Prescott and others the "Synopsis of the North American Desmids" in six parts (1972-1983). Most of the illustrations were original and done by Hannah, indicated simply by "HC".

It was during the period of World War II that Hannah became the first female member to serve on the Hanover Volunteer Fire Department, an activity she happily did until she made a move to Norwich, VT, in 1963. Her long service was so valued that she was given a lifetime honorary membership with voting privileges by the Hanover Fire Department. Ironically, it was over a long night in May, 1989, that her home caught on fire. In a letter to Jean and Randolph Taylor, she related how one evening her home caught on fire, and the local volunteer fire department came out to extinguish the blaze. But after the fire-fighters left, the fire re-ignited. They returned to douse it a second time and left. But later that same night then a third fire flared

up, and by then the home had been destroyed, along with her valuable collection of many first-edition books. Hannah was never the type to complain and set about to have her home re-built.

In 1967 she was elected President of the Phycological Society of America, and the following year she was named Full Professor of Biology, the first tenured woman professor at Dartmouth College. That was three years prior to her retirement. She was also awarded honorary membership in the Societas pro Fauna et Flora Fennica. Many other awards and honors eventually came Hannah's way, and deservedly so. In 1983 Dartmouth College established the Hannah T. Croasdale Award, which was set up to recognize "the most significant contribution to the quality of life for women" at the College. In 1985 she was named the Honorary Chairperson at the 24th annual Northeast Algal Symposium held at Woods Hole. The Hannah T. Croasdale Fellowship was established by the Phycological Society of America in 1987, an endowment that generates funds to help defray the expenses of students attending summer field stations (Stein, 1987a). For someone who taught so often at summer field stations, this was especially dear to Hannah's heart.

Although Hannah retired from Dartmouth College in 1971, she was soon given the status of Visiting Professor in Botany, that allowed her to continue teaching summer courses there up through 1978. She also maintained a high level of research output. She collaborated with Elizabeth A. Flint and Marilyn M. Racine to publish *The Flora of New Zealand: Freshwater Algae, Chlorophyta, Desmids* (1986, 1988, 1994).

There are plenty of "Hannah stories" that deserve repeating. Nina Allen relates how in the late 1970s and early 1980s she was teaching a phycology class at Dartmouth and how Hannah, though retired, was always around to help out. Nina would take the class down to the MBL at Woods Hole every early October, and Hannah, then in her late 70s and with two new hip replacements (which the surgeon did not get quite even), would come along. Hannah's in-depth knowledge of the algae around Woods Hole was invaluable. Hannah, in waders, would accompany the class out to Cedar Swamp, "home of the biggest desmids you could find" on the Cape. On one typical occasion, Hannah led the class into the swamp, in a pouring rain, and soon the water was over the waders, but nothing deterred Hannah from charging ahead, full of energy and information to dispense. Her life-long love of the algae was easily conveyed to the students, and they loved her for it.

Nina Allen also described the scene of Hannah's home that was always open to former students dropping by, or to strangers interested in plants growing in the garden. Elizabeth Flint was visiting from New Zealand, collaborating with Hannah on their 3-volume desmid flora. After working all day in the lab on campus, they would come home to Hannah's place to fix a dinner

mostly of fresh vegetables from the garden and home-baked bread. Then after clearing the dining table, they would spread out their books and notes on the same table and work into the evening. A life-long dedication to her craft was a hallmark of Hannah's career.

For many of her retirement years Hannah would spend half the year in her home in Vermont, just across the border with New Hampshire and near the Dartmouth campus, and the winter months in Destin, in the Florida Panhandle. In 1994 she made a permanent move to her Florida home at Santa Rosa Beach, and it was there on July 27, 1999, that she passed away at the age of 93.

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Michael J. Wynne
University of Michigan, Ann Arbor

OBITUARY - David B. Czarnecki

The phycological community lost one of its most colorful members, Dave Czarnecki, on May 4, 2006 to cancer. Born in Chicago in 1947, Dave received his bachelor and master's degrees from Bemidji State University (Minnesota) before moving to Flagstaff, Arizona, where he completed his Ph.D. on the diatom floras of the southwest US at Northern Arizona University in 1978. Early in his career, Dave established a culture collection of freshwater diatoms which he brought to Loras College (Dubuque, Iowa) when he became a professor of biology in 1984. Dave curated the Freshwater Diatom Culture Collection (FDCC) from 1987 on until it held over 1200 strains, the world's largest collection of its kind. Shortly before Dave's passing, colleagues and past students gathered to pack and ship the FDCC to UTEX (<http://www.zo.utexas.edu/research/utex/>), ensuring Dave's legacy and the continued availability of his strains. Many of his cultures originated in northern Minnesota, "Czar's" second home as summer professor at the University of Minnesota's Lake Itasca Biological Station. It was in the classroom, lab, and especially the field, that students ranging from grad school to kids in the Dubuque public schools, could not help but be infected with Dave's passions for teaching, microscopy, field biology, and natural history.

Mark Edlund (mbedlund@smm.org)

NEWS OF COLLEAGUES

Congratulations to Dr. Pat Wheeler, who was recently honored with the title: "Distinguished Professor" by Oregon State University, a title that attests to her "eminence as a teacher and scholar." Professor Wheeler is a noted educator, mentor and internationally recognized oceanographer whose breakthrough research into nitrate-ammonium dynamics has redefined basic nutrient-phytoplankton relationships in the sea. In addition to her numerous scholarly achievements, Pat has very recently completed a 5-year term as Editor-in-Chief of the *Journal of Phycology*. Congratulations, Pat!

Dr. Thierry Chopin, Professor of Marine Biology at UNB Saint John, was inducted as Chevalier in the Order of the Palmes Académiques by the Minister of Education, Higher Education and Research of France. This distinction will be bestowed on him by Mr. Olivier Nicolas, Consul Général of France for the Atlantic Provinces, on April 4, 2006. Dr. Chopin is Past President of the Phycological Society of America and of the Aquaculture Association of Canada, and is Past Treasurer of the International Phycological Society (phycology is the study of algae). He is the President Elect of the International Seaweed Association and will become its President in 2007, during the International Seaweed Symposium in Kobe, Japan. He is an advisor to the International Foundation for Science, in Stockholm, Sweden, and a member of the Editorial Board of the journal *Aquaculture International*. Congratulations, Thierry!



Congratulations to Thierry Chopin (left) and Pat Wheeler (right), who were both recently recognized with honors.

PSA Annual Business Meeting Minutes
Centennial Hall and Civic Center
Juneau, AK
09 July 2006

The 2006 Annual Business Meeting of the Psychological Society of America (PSA) was held at the Centennial Hall and Civic Center, Juneau, AK, 09 July. President Morgan Vis called the meeting to order at 5:00 PM with 59 persons in attendance. Minutes from the 2005 business meeting held in Durban, South Africa were distributed. A motion to approve the minutes of this meeting was made by Russ Chapman and seconded by Paul Gabrielson. The motion to approve these minutes was passed unanimously.

President's Report:

President Vis then called the membership's attention to the new PSA website at www.jpsycol.org and urged them to vote soon in the on-going election for new officers. She announced that the Southeastern Psychological Colloquy will be held 03-05 November 2006 at the Univ. of North Carolina Wilmington's Center for Marine Science. Richard Triemer was introduced as in-coming PSA president for 2007 and Bob Sheath was introduced as Editor-elect for the *Journal of Psychology*. President Vis provided a brief summary of the PSA's on-going negotiations with Blackwell Publishing about the Legacy project. The objective of this project is to establish a high-quality digital library of *J. Psychol.* back issues. President Vis also reported the Board of Trustees and the Executive Committee will soon be developing an outline for an on-line educational and outreach resource. Further development of the site will be charged to members of the PSA's Education Committee. If you are interested in contributing to this project or the Education Committee please contact Dr. Vis.

On behalf of the Society, President Vis expressed her appreciation to those persons who will be leaving their positions on the Executive Committee on or before 01 January 2007. These persons include Drs Chuck Amsler (Program Director), Mike Gretz (Treasurer), Curt Pueschel (Past President), and Pat Wheeler (Editor-in-Chief).

Treasurer's Report:

Treasurer Mike Gretz provided a summary of the Society's financial resources. As of December 31,

2005 assets totaling \$192,884 were present in the General Treasury divided between checking (\$96,362) and money market (\$96,522) accounts at Douglas County Bank. During the past two years the PSA's profit share from Blackwell Publishing has exceeded projections. For example, in 2005 PSA's realized profit share totaled \$72,132 although revenue from this source was projected as \$45,223. In 2005 disbursements included \$106,978 for *Journal* office expenses and \$10,471 various smaller projects (e.g., AIBS Membership, website maintenance, publication of the newsletter, postage, officer's expenses, etc.). In 2005 the PSA realized a budget surplus of over \$60,000.

The Treasurer, Funds Manager, and other Exec. Committee members have approved a motion to transfer \$50,000 from the General Treasury (i.e., checking account) to the endowed Hoshaw Travel Award budget line. Thus, in 2008, 2,500 additional dollars will be devoted to support student travel.

Fund Manager's Report:

Tim Nelson (Funds Manager) reported that as of 31 December 2005 the PSA's total investments equaled \$931,339. PSA investments are divided between the Treasury Reserve (\$81,130), Life Members Fund (\$178,227), and the Endowments (\$753,111), which includes 10 different line items (e.g., Bold Award, Hoshaw Travel Fund, Provasoli Award, etc.).

Based upon a recommendation made by the Fund Manager, the Exec. Committee voted in favor of a motion to maintain a maximum of \$50,000 in the endowed Publication Fund. Funds in excess of \$50K that accrue in the Publication Fund will periodically be transferred to the General Fund to offset fiduciary fees. Tim also reported that the PSA has received, thus far, \$9,000 in royalties from the purchase of *Algal Culturing Techniques* (Elsevier/Academic Press) edited by Dr. Robert A. Andersen.

Total income (dividends) from endowments for fiscal year 2006 is projected at \$44,172.

Membership Director's Report:

John LaClaire provided the Membership Director's report. As of 01 June 2006 the PSA included 948 members in good standing; the number of members from the US and abroad remains steady. Two-year trends indicate that US institutional subscriptions have dropped slightly whereas

subscriptions from institutions abroad have slightly risen. Overall membership has decreased significantly in last 20 years and the greatest proportion of members have been lost from the 'ordinary members' category.

On behalf of the Executive Committee John brought forward a motion to reduce dues rates for different membership categories. The 'dues roll back' is envisioned as a possible way to try and attract new or lapsed members. John noted that under the new dues pricing scheme that actual lost PSA revenues would not exceed \$4,500 per annum and that the Society is in good financial position to absorb the loss of these revenues given the budget surpluses realized in fiscal years 2004 and 2005. The motion passed, 40 in favor and 5 opposed.

Journal of Phycology Editor's Report:

Pat Wheeler, Editor-in-Chief of *Journal of Phycology* presented her report primarily based upon data available for 2005. In 2005, 262 manuscripts were processed and 128 were published. Longer term figures from years 2002-2006 were also examined and in that time frame the Journal editorial staff processed 1,407 submissions, 600 of which were published (43%). The journal's average turn around time - from submission, through review, and decision - is 2.3 months and the majority of authors are from North America or Europe. The current impact factor for the Journal is 2.502 and it ranks five for Marine and Freshwater Biology and 20 among Plant Sciences. In 2005, full-text usage (electronic access to PDF and full-text articles) on Synergy rose to about 14,000 accessions per month; the number of 'hits' per month has increased 13-fold since 2001.

Institutional subscriptions, accounting for over 75% of the Society's (non-endowed) income, are level: US subscriptions that have recently been lost have been replaced by subscriptions from other parts of the world. However, between 2000 and 2005 the cost of producing the *Journal* has increased by about 4% annually accompanied by (1) loss of regular Society members and (2) the migration of US and European institutional subscriptions towards on-line only options. These factors will inevitably increase the cost of production per volume in coming years; the actual cost of producing the *Journal* is now more than \$200 per page. Page charges (\$50/pg) were applied to manuscripts submitted for publication after 01 January 2004. 2005 page charge income totaled over \$13,000,

representing a four-fold increase in *Journal* revenues from that source as compared to 2000.

Pat announced that back issues of the *Journal* on-line (BPI's Legacy project) is now accomplished back to the late 1970s.

In spring 2006 the Editor, Associate Editors and Editorial Board members discussed adopting other policy changes. One of these addresses the increasing length of submitted papers. A possible solution is to institute additional per page charges for articles exceeding 10 printed pages in length. Reviewers for the *Journal* will also now have the opportunity to identify themselves to authors, should they wish to do so. Pat also asked that four additional Associate Editors be appointed with the overall goal of reducing or maintaining the workload of these persons to a maximum of 15 manuscripts per year.

Twenty-nine papers published in 2005 were nominated by the Associate Editors and Editorial Board members for the Provasoli Award.

Pat thanked the Associate Editors, Editorial Board, and especially Ms. Chris LeBoeuf for their assistance. She also welcomed Bob Sheath as the next Editor-in-Chief - Bob's tenure as Editor-in-Chief will begin 01 September 2006 when the *Journal* editorial office opens at California State University San Marcos.

Program Director's Report:

Chuck Amsler (Program Director) reported that next year's (2007) PSA meeting will be held in Providence, RI, 06-09 August with Glen Thursby acting as local organizer. The PSA will meet jointly with the International Society of Protozoologists, with Wayne Coates acting as ISOP co-convenor. Special rates for lodging have been arranged.

The 2008 meetings will be held on the campus of Loyola University in New Orleans, LA. Jim Wee is acting as local organizer and the scientific program will be scheduled between 26 July and 01 August. Jim up-dated the membership regarding the damage sustained by New Orleans in the wake of Hurricane Katrina and on restoration efforts. Most importantly, the up-town areas, including Loyola Univ. and the French Quarter (!), were not significantly damaged and are ready for use. In 2009 the PSA will meet jointly with American Society of Plant Biologists (ASPB) in Honolulu, HI, 18-22 July; the location and dates for the 2010 meetings have yet to be determined.

Business Meeting Minutes, cont.

Communications Director's Report:

Alison Sherwood (Communications Director) informed members that the fall 2006 issue will mark the last printing and post of the PSA Newsletter. Future Newsletters will be produced electronically beginning with the Spring 2007 issue. The new PSA-Blackwell Website (www.jphycol.org) is now operational and includes such features as a searchable membership directory and electronic voting for PSA officers.

At the end of business Russell Chapman moved to adjourn the meeting. The motion was seconded by Tim Nelson and unanimously approved.

UPCOMING PSA MEETINGS:

PSA 2007

The 2007 Annual Meeting will be held August 5-10 in Providence, Rhode Island (at the Crowne Plaza Hotel, Providence-Warwick) and is being hosted by Dr. Glen Thursby (US EPA). This will be a joint meeting with the International Society of Protozoologists (ISOP). The meeting will kick-off with an opening mixer on the evening of Sunday, 5 August and the scientific program will be Monday through Thursday, 6-9 August. The PSA/ISOP banquet will be Thursday evening and there will be optional field trips on Friday.

Continuing with the new meeting format begun in 2006, PSA will again sponsor Plenary talks and associated mini-symposia with participants identified by the Plenary speakers. Contributed papers related to the mini-symposia topics will be solicited and scheduled in "featured contributed talk" sessions immediately following each mini-symposium.

The Plenary Speakers and session topics for 2007 are:

Dr. Max Hommersand (University of North Carolina) headlining a session on *Phylogenetics, systematics and biogeography of macroalgae*. The associated mini-symposium speakers will be Drs. Heroen Verbruggen (Ghent University) and Stephano Draisma (Leiden University; participation tentative).

Dr. John Raven (University of Dundee) headlining a session on *Energetic and elemental stoichiometries*

in phytoplankton: ecology and evolution. The associated mini-symposium speakers will be Drs. Antonietta Quigg (Texas A&M University, Galveston) and Zoe Finkel (Mount Allison University).

Dr. Elizabeth Gantt (University of Maryland) headlining a session on *Photosymbiosis: driving factors toward an endosymbiotic state of photosynthetic organisms*. One of the associated mini-symposium speakers will be Dr. Jared Worful (University of Maine) and the other mini-symposium speaker is to be announced.

In addition, PSA and ISOP will co-sponsor a standard-format **Symposium on Endosymbiosis**. This is being coordinated by Dr. Charles Delwiche (University of Maryland) for PSA and Dr. Wayne Coats (Smithsonian Environmental Research Center) for ISOP. Speakers will include Drs. Delwiche, Matthew Johnson (Rutgers University), Giulio Petroni (Università di Pisa), Bas Ibelings (Netherlands Institute of Ecology), Mary Alice Coffroth (SUNY Buffalo), and Brian Leander (University of British Columbia).

PSA 2008

The 2008 Annual Meeting will be held at Loyola University in New Orleans, Louisiana. The meeting will be during the period of 26 July through 1 August with the exact days of the scientific program within that period to be determined. The local organizer is Dr. Jim Wee (Loyola University).

PSA 2009

The 2009 Annual Meeting will be held jointly with the American Society of Plant Biologists (ASPB) in Honolulu, Hawaii. The dates will be 18-22 July and the PSA local representative is Dr. Alison Sherwood (University of Hawaii).



PSA Election Results 2006

New Executive Committee Members:

2007/08 Vice President/President Elect -
Robert A. Andersen

2007-09 Treasurer - Charles F. Delwiche

2007-09 Program Director - Mark A. Buchheim

New members of the Editorial Board of *Journal of Phycology*:

Michael Guiry

Edward Theriot

Russell Chapman

Gisèle Muller-Parker

New Editor-in-Chief of the *Journal of Phycology*:

Robert G. Sheath

Bylaws Amendments - all passed

Article X. Section 4

Article XIII. Amendments

Article VIII, Section 1a

Article VI, Section 3f and Article X. Section 1

THE PSA NEWSLETTER MOVES INTO THE ELECTRONIC AGE!

The current issue of the PSA newsletter (Volume 41 Number 2) is the last to be printed and mailed to PSA members, and thus signifies a transition to a new era - that of electronic publishing. The benefits of this switch to an electronic format are many:

1. Production time will be greatly reduced with the elimination of printing, labeling and mailing.
2. PSA will save several thousand dollars per year by circumventing printing and mailing costs.
3. We can provide a higher quality newsletter to members by including the use of color and hyperlinks to additional material or websites. This will be extremely useful for announcements of student scholarship or fellowship application instructions, details of field courses and field stations and providing information on the locale for the annual meeting.

Look for your first electronic PSA newsletter in Spring 2007 - notice of the newsletter will be distributed by email to all members in good standing.

Alison Sherwood and Juan Lopez-Bautista
PSA Newsletter Editors

The 45th Annual Northeast Algal Symposium

The 45th Annual Northeast Algal Symposium was held over the weekend of April 21-23, 2006 at Marist College, Poughkeepsie, NY. Organizers of the symposium were Ray Kepner (Marist College), John Heimke (Russell Sage College) and David Domozych (Skidmore College). The scientific program consisted of 21 platform presentations and 32 posters. Bill Johansen (Clark University) was named as the Honorary Chair of the symposium.

Graduate student presentations were eligible for the Robert T. Wilce awards. In the oral category, the award went to Hilary McManus (University of Connecticut) for the paper "Characterization of group IA introns in the chloroplast *rbcL* gene of five *Pediastrum* and two *Bracheacoccus* isolates (Sphaeropleales, Chlorophyceae)" by Hilary McManus and Louise Lewis. Daniel McDevit (University of New Brunswick) received the award for the poster "Assessing species richness and phylogenetic relationships of the brown algal (Phaeophyceae) flora of Canada" by Daniel McDevit and Gary Saunders. The President's award, given for the best undergraduate presentation, went to Cayelan Carey (Dartmouth College) for the presentation entitled "An investigation of the factors controlling the growth of *Gloetrichia echinulata* in an oligotrophic lake" by Cayelan Carey, Kathleen Weathers, Kathryn Cottingham and James Haney.

The distinguished speaker was Graham Underwood (University of Essex) who gave an excellent talk entitled "Life in estuarine biofilms: small-scale complexity and large scale importance".

The Frank Shipley Collins award for contributions to the Northeast Algal Society and Phycology was given this year to Curt Pueschel.

Next year, the 46th Annual Symposium of the Northeast Algal Society will be held at The Village Inn in Narragansett, RI. over the weekend of April 20-22, 2007. Co-conveners for this meeting will be Glen Thursby (EPA) and Morgan Vis (Ohio University). For information contact the Membership Director, Christopher Neefus at Chris.Neefus@unh.edu

Contributed by Peter M. Bradley (NEAS Secretary)

COURSE ANNOUNCEMENT

FRESHWATER ALGAE COURSE 2007

Kindrogan Field Centre, Enochdhu, Blairgowrie, Perthshire, Scotland (near the tourist area of Pitlochry), 8-15 June 2007. Course tutors: Dr Eileen Cox and Prof Elliot Shubert.

The course takes full advantage of the excellent range of aquatic and terrestrial habitats in this beautiful area of Highland Perthshire to provide a sound introduction to the recognition, identification and ecology of freshwater algae. Emphasis will be placed on the use of the microscope and taxonomic keys (print and electronic) for the identification to generic and species level and their ecological importance.

For those with some prior knowledge of the algae, we hope that the opportunity to study samples from a range of habitats will broaden their knowledge and/or allow them to focus on particular groups. Field trips, on foot or by vehicle, will be varied, but not strenuous and will be complemented by laboratory work, illustrated talks and class discussion. The course focuses on how to get a grip with identification, and the broader aspects of algal morphology, structure, reproduction, and classification (morphological and molecular). The course is open to individuals with different backgrounds ranging from

beginners to those who would like to refresh their knowledge of particular groups of algae or experience collecting in a different region of the world.

The course costs £426 per person (approx 630 Euros or \$804), which includes accommodation, all meals and tuition. Support for a student stipend is available from:

The British Phycological Society <http://www.brphycsoc.org/funding.lasso>.

Graduate students who are members of the Phycological Society of America are eligible for financial support to attend a phycology course at a field station from the Hannah T. Croasdale Fellowship. <http://www.psaalgae.org/student/stugrants.html>.

If you have queries, please contact Prof Elliot Shubert: e.shubert@nhm.ac.uk

Deadline for contributions for the next
PSA Newsletter:
January 15th, 2007
Please contact Alison Sherwood
(asherwoo@hawaii.edu)



Phycological Society of America

Department of Botany
3190 Maile Way, room 101
University of Hawaii
Honolulu, HI 96822