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Coordinating Committee

Steve Antonius Jim Beaver
Jim Kelly (President) George Kotch
Phil Miklas Jim Myers
Soon Jai Park Ron Riley
Howard F. Schwartz (Ex officio) Antonio de Ron
Bert Vandenberg

Please address correspondence about BIC membership and BIC annual reports to:

Dr. James D. Kelly, BIC President
Department of Crop & Soil Sciences
Michigan State University
East Lansing, MI 48824
U. S. A.
Tele: 517-355-0205 // FAX: 517-353-3955
Email: kellyj@msu.edu
http://www.css.msu.edu/bic

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THE 45th ANNUAL REPORT OF THE BEAN IMPROVEMENT COOPERATIVE

The Bean Improvement Cooperative enjoyed a stimulating meeting at the 2001 Biennial Meeting in Fargo, North Dakota. The 2001 BIC meeting in Fargo had 98 registered participants. The National Dry Bean Symposium began the meeting with five talks, including the first Frazier-Zaumeyer Distinguished Lecture, presented by Dr. Dermot P. Coyne, University of Nebraska, Lincoln, NE, the first recipient of this award. The meeting had an additional 29 oral presentations and 31 poster presentations. The quality of both the oral and poster presentations was excellent.

The outstanding student oral presentation was entitled: 'Physiology of freezing resistance in the genus Phaseolus', presented by P. Balasubramanian, University of Saskatchewan - Bert Vandenberg, advisor.

The outstanding poster presentation was entitled: 'Evaluation of seed-Zn concentration in navy bean', presented by Shana Forster, North Dakota State University – Ken Grafton, advisor.

The meeting received excellent and generous support from the following organizations: Harris Moran Seed Company, National Dry Bean Council, Northarvest Bean Growers Association, North Dakota Dry Edible Seed Bean Growers Association, North Central Bean Dealers Association, Syngenta, Inc., Allen Canning Company, Basic American Foods, Inc., Klindworth Seed & Bean Company, Kirkeide's Northland Bean Company, North Dakota State University Departments of Plant Pathology and Plant Sciences, North Dakota Agricultural Experiment Station, North Dakota State University, Central Valley Bean Cooperative, CerexAgri, Pillsbury-Green Giant, Forest River Bean Company, and Manvel Bean Company. The strong support of these organizations allowed this meeting to succeed. On behalf of the BIC, I wish to acknowledge the very substantial assistance of the organizing committee, particularly Dr. Ken Grafton and I wish to thank the sponsors and the participants for making the meeting a success. Details of the next BIC meeting in California in 2003 are in this issue or can be found at the BIC Web page www.css.msu.edu/bic

The BIC mourns the passing of two friends and colleagues Dr. Dermot P. Coyne and Dr. Donald H. Wallace. Dermot served the bean community as geneticist, breeder, teacher and mentor for over 40 years. He was a frequent contributor to the BIC and served the BIC as President from 1967-1976, and as a member of coordinating committee, and awards committee for many years. The BIC recognized Dermot’s achievements with the Meritorious Service Award in 1975 and as the first recipient of Frazier-Zaumeyer Distinguished Lectureship in 2001. Dermot’s many achievements are described in the current issue of the BIC as Recipient of the Frazier-Zaumeyer Award and in Memorial by his many friends, colleagues and students. Dermot will be dearly missed and the BIC has lost an outstanding bean scientist and humanitarian.

Dr. Wallace was recognized nationally and internationally for his contributions to bean breeding and genetics research and teaching, for which he received many awards. He co-authored about 100 scientific articles, and served on over 30 graduate committees. A compilation of 45 years of research work was published in 1998 in the book he co-authored entitled "Plant Breeding and Whole-System Crop Physiology: Improving Crop Maturity, Adaptation, and Yield". Don is recognized as co-founder of the Bean/Cowpea CRSP and for his outstanding achievements in bean research, Don received the Meritorious Service Award from the BIC in 1982. He also served as a member of the BIC Coordinating Committee from 1979-1986. Don retired from Cornell University in 1992, but continued to work until a few weeks before his death.

Dr. James D. Kelly, BIC President
REPORT OF THE BIC GENETICS COMMITTEE

The Genetics Committee met in Fargo, ND on October 30, 2001 at 7 p.m. James Kelly presented data sent to him by a Brazilian bean research group (Alzate-Marin et al.) supporting a new anthracnose resistance gene locus, Co-10. Formal approval was given later to this new gene symbol by the reviewers of the Genetics Committee. Paul Gepts spoke about combating “biopiracy” with genetic “finger printing” procedures. There is a need for special funding to develop this capability for bean. Phil Miklas gave a status report on efforts to protect public germplasm from patents restricting future R & D. Phil Miklas and Phil McClean suggested writing a review article in Crop Science to establish the claim to conversion of all PI materials to the list of improvements used in the Nuna patent. There was further discussion of the challenge posed by the Enola patents. Existence of prior art was cited: James Kelly cited wild bean photos by Gentry (1969) of yellow beans and James Myers cited the presence of Mayocoba class bean materials in the PI collection. During 2001, the Genetics Committee also reviewed and gave mixed responses to the gene symbol Znd proposed by Singh and Westermann for the dominant gene controlling resistance to soil zinc deficiency in common bean.

BIC COMMITTEE MEMBERSHIP - 1957 to 2002

Coordinating Committee (approximate year of appointment):

1957    Dean, Enzie, Frazier* (BIC Coordinator/President), McCabe, Zaumeyer
1960    Anderson, Atkin, Dean, Enzie, Frazier, McCabe, Zaumeyer
1962    Anderson, Atkin, Dean, Frazier, Pierce, Polzak, Zaumeyer
1968    Anderson, Coyne, Dean, Jorgensen, Polzak, Zaumeyer
1971    Briggs, Coyne, Dean, Jorgensen, Polzak, Zaumeyer
1972    Burke, Coyne, Dean, Jorgensen, Kiely, Polzak, Zaumeyer
1974    Ballantyne, Bravo, Burke, Coyne, Dickson, Emery, Evans, Kiely, Saettler, Zaumeyer
1977    Ballantyne, Bliss, Coyne, Dickson, Emery, Evans, Graham, Meiners, Morris, Saettler, Zaumeyer
1978    Atkin, Ballantyne, Bliss, Coyne, Dickson, Graham, Meiners, Morris, Saettler, Sprague
1979    Atkin, Bliss, Dickson, Graham, Hagedorn, Meiners, Morris, Saettler, Sprague, Wallace
1980    Atkin, Bliss, Dickson, Hagedorn, Morris, Saettler, Sprague, Wallace, Temple, Wallace
1982    Atkin, Coyne, Dickson, Hagedorn, Sprague, Steadman, Temple, Wallace, Wyatt
1983    Coyne, Dickson, Hagedorn, Saettler, Silbemagel, Steadman, Temple, Wallace, Wyatt
1985    Coyne, Dickson, Mok, Saettler, Silbemagel, Steadman, Temple, Wallace, Wyatt
1986    Coyne, Dickson, Mok, Saettler, Schoonhoven, Schwartz, Silbemagel, Steadman, Wallace
1988    Brick, Dickson, Emery, Magnuson, Roos, Schwartz, Singh, Steadman, Uebersax
1992    Dickson, Emery, Grafton, Magnuson, Schwartz, Singh, Stavely, Steadman, Uebersax
1994    Antonius, Dickson, Grafton, Magnuson, Park, Schwartz, Singh, Stavely, Uebersax
1996    Antionius, Grafton, Park, Schwartz, Singh, Stavely, Myers, Kotch, Miklas, Riley
1998    Antonius, Park, Schwartz (ex officio), Singh, Myers, Kotch, Miklas, Riley, Beaver, Vandenberg, Kelly
2000    Antonius, Beaver, Kelly, Kotch, Miklas, Myers, Park, Riley, Schwartz (ex officio), Singh, Vandenberg
2002    Antonius, Beaver, Kelly, Kotch, Miklas, Myers, Park, Riley, de Ron, Schwartz (ex officio), Vandenberg

Awards Committee:

1971    Baggett, Briggs, Burke, Dean, Wallace
1973    Burke, Dean, Mauth, Zaumeyer
1975    Ballantyne, Frazier, Mauth
1977    Ballantyne, Curme, Frazier, Schuster
1979    Ballantyne, Schuster, Silbemagel, Temple
1981    Abawi, Bliss, Morris, Silbemagel
1983    Adams, Bliss, Burke, Dean, Morris
1985    Emery, Hagedorn, Sandsted, Schwartz
1987    Emery, Hagedorn, Sandsted
1989    Coyne, Silbemagel, Wallace
1995    Coyne, Dickson, Stavely
1997    Coyne, Stavely, Schwartz
2001    Hosfield, Magnuson, Schwartz
2001 BIC Award Recipients

2001 Frazier-Zaumeyer Distinguished Lectureship Award

Dermot P. Coyne

Dr. Dermot P. Coyne was born on July 4, 1929 in Dublin, Ireland. He received a B.S. at the University College Dublin, Ireland in 1953 and an M.S. at the same institution in 1954. He obtained a Ph.D. degree at Cornell University in 1958 and was awarded a D.Sc honorary degree from National University of Ireland in 1981. Dr. Coyne started his career as assistant manager in agricultural research at the Campbell Soup Co in England from 1958-1960 and joined the faculty at the University of Nebraska in 1961 where he currently is Professor of Horticulture. He served as acting chair in the Horticulture from 1974-1975 and in 1986 he was awarded the George Holmes Regents Professorship.

Dr. Coyne's accomplishments in bean breeding are numerous and well documented in his 160 journal articles, 8 book chapters, 350 abstracts/research notes and 75 other publications. His varieties and breeding lines with resistance to common bacterial blight, a serious limitation to bean production in the world, have been a major contribution to breeding programs throughout Africa and the Americas. His commitment to multiple disease resistance using both classical and molecular methods combined with a team breeding approach has resulted in advanced bean breeding lines and varieties that have benefited bean production throughout the Americas, especially when integrated with crop management practices developed in a USAID-CRSP project in the Dominican Republic in which Dermot has been the PI. In fact, this Bean/Cowpea CRSP project has been cited a number of times for high impact throughout its 20-year existence. In addition to the successful dry bean cultivars such as pinto 'Chase' and great northern 'Weihing', released on the USA High Plains, his germplasm is found in all great northern and pinto lines bred by private industry and many public breeders.

In the course of developing multiple disease resistant bean lines and varieties he and his students developed the first RAPD molecular maps of quantitative trait loci for resistance to common blight, halo blight, web blight, white mold and rust resistance in common bean. Recently he showed the independence and epistasis of specific rust resistance and leaf pubescence in bean genotypes with adult plant rust resistance. These genes have been mapped in Dr. Coyne's lab and in fact this is the first mapping of an adult plant resistance locus in a legume. The value of multiple disease resistance has been demonstrated in many crops, including beans; however, private industry and developing countries often are unable to spend the time and resources to develop multiple disease resistance. Dr. Coyne's contribution to the use of beans as a vital source of protein in developing countries and to a strong export bean market in the USA will continue into the future as his lines are used by public and private breeders to develop new varieties.

Finally, Dr. Coyne has guided 42 graduate students, many of whom have gone onto successful careers and garner prestigious awards of their own. In the area of service he has been heavily involved in University committees, American Society for Horticultural Science (President, 1984-85), Sigma Xi and BIC where he was President/Editor from 1967-1976 with 40 years of distinguished service to the bean community and numerous bean breeding and genetics accomplishments.

2001 Distinguished Achievement Award Recipients – M. Brick, R. Riley, J. C. Rosas

Mark A. Brick

Dr. Mark A. Brick was born October 6, 1947, in Green Bay, Wisconsin. He grew up on a dairy farm in eastern Wisconsin and, upon graduation from high school in 1965, operated the farm for two years. In 1967, Mark entered the U.S. Navy and served off the coast of Viet Nam in 1968. Upon completion of his military service, Mark attended the University of Wisconsin-River Falls, where he obtained the B.S. degree in Crop Science in 1972. Mark attended the University of Arizona (M.S. degree in Agronomy, 1975), then worked as a Research Station Manager for Cal/West Seed in Wisconsin for two years. Mark pursued the Ph.D. degree in alfalfa breeding and genetics at the
University of Minnesota, which he obtained in 1980. He worked at Cal. State-Fresno during the 1980-81 academic years, where he taught numerous courses in plant science. Dr. Brick then accepted a position as manager of the Colorado Seed Growers Association, the official Seed Certification Agency, Colorado State University, from 1981 to 1986. In 1986, he became the leader of the dry edible bean breeding project at Colorado State University, a position he retains to this day. Currently, his work involves teaching, research, and extension activities in the areas of plant breeding and dry bean production for the High Plains.

During his career, Dr. Brick has achieved national prominence in his work in bean cultivar development. His breeding program emphasizes the development of cultivars and germplasm suited for irrigated and non-irrigated U.S. production. He fosters a team approach with active participation from plant pathology, variety testing, agronomy, and seed production personnel and agencies throughout the state and region. Working primarily with the pinto market class, Dr. Brick has released four cultivars since 1995. These cultivars, Bill Z, Arapaho, Fisher, and Montrose have made a tremendous impact to the Colorado bean industry as well as other production regions. Virtually all of the non-irrigated, and more than 50% of the irrigated, bean production acreage in Colorado is planted to these cultivars. Many of these cultivars also are popular in other production regions. A new pinto cultivar, Grand Mesa, was released earlier in 2001. Grand Mesa is a high yielding cultivar with excellent seed quality traits, semi-erect growth habit, and rust resistance. In addition, Dr. Brick’s program released Shiny Crow, the first shiny black cultivar released in the U.S., which may serve a niche in both foreign and domestic markets.

He has served as major advisor for 15 M.S. and 3 Ph.D. students, authored or coauthored 35 refereed and more than 100 non-refereed publications, and made more than 100 presentations to scientists, producers, and industry clientele in both the U.S. and other bean producing countries. He contributed greatly to the Extension Regional Bulletin 562A, ‘Dry Bean Production and Pest Management, by serving as a technical editor and authoring or co-authoring three chapters. Dr. Brick also co-authored a chapter "Breeding Durango Race Beans" in S.P. Singh (ed.) Beans for the 21st Century.

Dr. Brick has been unselfish in providing service to the scientific community. He has chaired the W-1 50 regional research project, the W-6 technical committee, the Western Society of Crop Science, and was a member of the Phaseolus Crop Germplasm Committee. Dr. Brick also serves the Colorado producers as coordinator for research funding of the Colorado Dry Bean Administrative Committee and is on the Board of Directors of the Colorado Seed Growers Association. He was Chair of the committee to write the dry bean descriptors for PVP applications for dry and snap beans. Dr. Brick’s love of bean breeding does not deter from his passion for teaching. He currently teaches Introductory Genetics, with a student enrollment of 150-170 every spring semester. In addition, Dr. Brick teaches Experimental Designs, Advanced Plant Breeding, Topics in Plant Breeding and Genetics, and Scientific Presentations. In honor of his excellent teaching skills, Dr. Brick was recently awarded the "NACTA Charles N. Shepardson Meritorious Teaching Award 2001, the highest College of Agriculture award for teaching at Colorado State.

RON RILEY

Ron Riley was born in Detroit, Michigan on November 1, 1952. He obtained the BS degree in Agronomy at Michigan State University. During his undergraduate training, Ron was fortunate to work as a student assistant to Dr. Wayne Adams. Working for Dr. Adams, Ron unknowingly began a career in bean breeding and genetics. He continued work with beans after graduation as a Research Associate at the San Juan Basin Research Center (SWCRC) at Yellow Jacket, Colorado. At the SWCRC, Ron worked with Mr. Adrian Fisher, the Superintendent of the center, and one of the most knowledgeable scientists about dryland bean production in the US. In 1985, Ron moved to Ft. Collins, CO to pursue a Master of Science degree under the supervision of Dr. Donald Wood and Mark Brick at Colorado State University. For his MS thesis project, Ron studied production of beans planted with mechanical mixtures of near isogenic lines that differed for plant architecture. During his MS program at CSU Ron developed an interest in plant cytogenetics fostered by Dr. Takumi Tsuchiya, a renowned cytogeneticist and University Distinguished Professor. This interest lead Ron to study for and complete the PhD degree in barley cytogenetics under the supervision of Dr. Tsuchiya.

In 1989, Ron returned to bean research when he accepted a position as garden bean breeder for Rogers Brothers Seed Company, now known as Syngenta in Nampa, ID. Dr. Riley has accomplished much in his short career with Rogers Brothers. Some of his accomplishments include: release of seven commercial garden bean cultivars including; three Romano, three fresh market and one Bush Blue Lake type, numerous research publications, and service to the bean community. Ron's aggressive role in the development of molecular marker facilitated selection in
cooperation with prominent USDA, University, and Industry scientist throughout the US and at CIAT is unique among his peers. Ron has long been a proponent of supporting and funding public research projects having goals in common with his own program. An important PCR-based marker useful for indirect selection of the bgm-1 gene for resistance to bean golden mosaic virus was generated from collaboration between Ron and personnel at the USDA-ARS and the University of Puerto Rico. Ron has also collaborated with scientists at Cornell University, Michigan State University, Oregon State University, USDA-ARS, and others to advance marker assisted selection technologies and expanded our understanding of the genetics of resistance to anthracnose, bean golden mosaic virus, heat stress, rust, and white mold. Ron is currently a member of the BIC Coordinating Committee and project leader for a worldwide commercial garden bean breeding program for Syngenta.

JUAN CARLOS ROSAS

Dr. Juan Carlos Rosas was born on January 12, 1945 in Unia, Peru. After obtaining his B.S. in Agronomy, National Agrarian University, Lima, Peru in 1969, Dr. Rosas began working with beans in 1975 when he joined the CIAT bean research program as a research assistant. During his stay at CIAT, Dr Rosas participated in research and co-authored several scientific articles that contributed to a better understanding of biological nitrogen fixation of beans. Interest in this area led him to the University of Wisconsin where he pursued graduate degrees in plant breeding and genetics under the supervision of Dr. Fred Bliss. Dr Rosas received both his M.S. and Ph.D. degrees in Plant Breeding and Genetics at the University of Wisconsin in 1983. Results from his M.S. and Ph.D. research provided insight into the importance of plant genotype and nitrogen fertilization on biological nitrogen fixation of beans. He also has authored and co-authored several scientific articles dealing with breeding strategies for improving the biological nitrogen fixation of beans.

Dr. Rosas has played an instrumental role in strengthening the bean research program at the Escuela Agricola Panamericana (EAP) in Honduras and collaboration has been one of the hallmarks of this program. Dr. Rosas has served since 1988 as the Host Country Principal Investigator for a Bean/Cowpea CRSP project, which has developed, improved small red bean cultivars and other technologies that have benefited bean producers throughout Central America. The improved small red cultivars 'Don Victor' and 'Yeguare' were released in Honduras in 1993. The bean golden yellow mosaic virus (BGYMV) resistant and heat tolerant small red cultivar 'Tio Canela 75', formally released in 1996, is estimated to be grown by 30% of the bean producers in Honduras. This cultivar has also been formally released and is widely grown in Nicaragua and El Salvador. In 2000, the web blight and BGYMV resistant small red seeded bean cultivar 'Bribri' was released in Costa Rica. Dr. Rosas also participated in the release of the first small red germplasm that combines the recessive gene bgm-1 for BGYMV resistance with the recessive gene bc3 for bean common mosaic and bean common mosaic necrotic virus resistance. Dr. Rosas serves as the coordinator of regional performance trials for small red and black beans for PROFRIJOL. Dr. Rosas also maintains close collaboration with the CIAT bean research program in the evaluation of germplasm and breeding lines for disease resistance and tolerance to drought and low soil fertility. Dr. Rosas recently has taken the leadership in establishing a valuable link with groups interested in using participatory plant breeding techniques to improve beans. He is also involved in research and utilization of Rhizobium and micorrhiza inoculants.

Dr. Rosas has been very successful integrating bean research at the EAP with the primary mission of the institution, which is formal undergraduate training in agriculture. Several undergraduate students at the EAP have worked with the bean project to conduct their thesis research. Research conducted in laboratories, the greenhouse and the field are used to demonstrate the importance of beans to Central American agriculture. Dr. Rosas also has been very active in informal training of Central American and Caribbean agronomists and in sponsoring workshops for U.S., CIAT and PROFRIJOL researchers dealing with important topics such as bean rust and participatory plant breeding methods.
germplasm to broaden the genetic base of common bean cultivars for Canadian bean growing environments and this includes interspecific crosses with \textit{P. coccineus} and \textit{P. acutifolius} to introduce resistance to common bacterial blight, root rot and white mold. In addition to releasing several germplasm lines, Dr. Park has released 20 dry bean cultivars (in five market classes), two soybean cultivars, and one cultivar each of adzuki bean (\textit{Vigna angularis}) and mung beans (\textit{Vigna radiata}). He has written a book chapter and published 65 refereed and 50 non-refereed research articles.

Recently, Dr. Park's research interest is directed to application of molecular marker techniques to improve breeding efficiency of conventional bean breeding approaches. For example, his group has identified SCAR marker linked with CBB resistance and compared efficiency of marker-assisted (MAS) versus direct selection for disease resistance in common bean. Also, his group headed by Dr. K. Yu demonstrated abundant presence and usefulness of microsatellites or SSRs in common bean. As an initial application of MAS technique in bean breeding, Dr. Park pyramided resistant genes to BCMV, CBB, and anthracnose into navy and red kidney beans. Recently, his group has also undertaking a task to identify QTL markers for resistance to root rot and white mold. Dr. Park has been a member of the Bean Improvement Cooperative since 1982 and a member of its Coordinating Committee since 1994. He has been elected an honorary life member of Canadian Seed Growers' Association since 1998 for his active involvement in pedigree seed production system in Canada. Dr. Park has been freely exchanging germplasm with fellow researchers and is recognized nationally and internationally for his valuable contributions to bean science. He still has interest in rice and soybean, and other alternative pulses like pigeon peas (\textit{Cajanus cajan}) though his research effort is totally devoted to dry bean breeding.

\textbf{PRE-PUBLICATION OFFER / SPONSOR INVITATION FOR BIC MEMBERS}

\textit{The Genus Phaseolus (Leguminosae in North America, Mexico, Central America and Panama)}

By Drs. George F. Freytag and Daniel G. Debouck
BRIT/SIDA, approx. 480 pages, soft cover, 2002
Estimated Cost in the range of $ 50 – 60 + Postage/Handling

The Bean Improvement Cooperative is pleased to share this pre-publication notice about the landmark publication that our colleagues, George Freytag - retired and Daniel Debouck - CIAT, finished after their 15 year labor-of-love commitment to our international legume community. Join the BIC in congratulating and honoring these scientists for this great contribution to our science and future direction.

Their exhaustive publication has gone through its final reviews and is now in its final stages of revision and will soon be ready for prepress layout by the publisher, BRIT/SIDA (Botanical Research Institute at Texas – specializes in publishing botanical information). The authors and BRIT/SIDA (non-commercial publisher) would like to ask you to help offset up-front printing, storage and handling costs (estimated at $26,000) for this unique publication targeted to a specialized audience and libraries. Your assistance with generous contributions and pre-publication commitments will help finish this project and deliver the long-awaited publication.

Please join the Bean Improvement Cooperative and Colorado Bean Network who have already committed financial resources to help sponsor this worthy publication. If you have any questions, please feel free to call Jim Kelly (517-355-0205) or Howard Schwartz (970-491-6987).

\textbf{SPONSOR INVITATION:} \$ 1000 or more (tax deductible)
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\textbf{PRE-PUBLICATION OFFER:} \$ 100 or more (amount over cost is tax deductible)
Anyone taking advantage of this offer will also be recognized in the book with their name, and will receive a copy of the book.

\textbf{Deadline for Action:} July 1, 2002
SECOND NOTICE:
4TH CANADIAN PULSE RESEARCH WORKSHOP
DELTA EDMONTON SOUTH HOTEL
EDMONTON, ALBERTA
DECEMBER 8, 9 & 10, 2002

WORKSHOP VENUE / HOTEL: A block of rooms has been booked and is being held at the Delta Edmonton South Hotel, at 4404 Gateway Blvd (the old ‘Calgary Trail N’), under Canadian Pulse Research Workshop. BOOK EARLY! Note that rooms are charged on a first-come-first-served basis, with the first 100 rooms: at $85 per regular room; next 50 rooms: at $100; until Nov. 8; after that, standard hotel rates. These room rates apply for rooms booked to include up to three days before start and three days beyond workshop dates. Thus, those of you also attending the National Pulse Research Strategy Meeting on Dec. 11, qualify for the same rates for the extra night. Please make your own bookings by calling: 1-800-268-1133.

Topics for presentation may include the following categories: genetic improvement, agronomy / environmental sustainability, pest and disease management, quality and utilization, other.

Important highlights of the attached registration and meeting information package are the following:

- Abstracts & Registration (with payment; late fees apply after this date):
  - due Wednesday, Sept. 1.
- Manuscript for inclusion in ‘Proceedings’:
  - due October 15.
- Power Point Presentations:
  - due for pre-loading Dec. 2.
- Hotel reservations: Delta Edmonton South Hotel:
  - 1-800-268-1133; local phone, 780-434-6415;
  - recommend by October 1.
- On-site Registration / Reception: Sunday evening, Dec. 8
  - (Registration also during Breakfast Dec. 9 and Dec. 10)
- Banquet, Monday evening, Dec. 9.

Hans-Henning Mündel
Agriculture & Agri-Food Canada, Lethbridge, AB
For details e-mail: muendel@em.agr.ca

2003 BIENNIAL BIC/NDBC MEETING

The 2003 BIC meeting will take place in Davis/Sacramento, California at dates to be determined towards the end of October and the beginning of November 2003. In addition to the North American Pulse Improvement Association (NAPIA) meeting, the National Dry Bean Council (NDBC) meeting, BIC, and related meetings, the program will also feature a tour of the Napa valley and of seed companies in the Davis area. Further information will be forthcoming through the Phaseolus listserver (PHASEOLUS@LISTSERV.UOUELPH.CA), the 2003 BIC annual report, and individual mailings to the members. For further information, contact Paul Gepts at plgepts@ucdavis.edu.
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Ted Lund
Brotherton Seed Company
Box 1136
Moses Lake, WA 98837
509-765-1816 Fax: 509-765-1817
ted199@televar.com

Steve Magnuson
Harris Moran Seed Company
1509 Stadium Ct
Lehigh Acres, FL 33971
209-988-9667 Fax: s.magnuson@harrismoran.com

Roxanne Mainz
Syngenta Seeds, Inc.
317-330th St.
Stanton, MN 55018-4308
608-262-1995 Fax: 608-262-2626
dum@plantpath.wisc.edu

Douglas P. Maxwell
Dept. of Plant Path., 1630 Linden Dr.
University of Wisconsin
Madison, WI 53706-1598
509-786-9258 Fax: 509-786-9277
pmiklas@tricity.wsu.edu

Mark S. McMillan
Dept. of Bioagr. Sci. & Pest Mgm
Colorado State University
Fort Collins, CO 80523-1177
707-355-1212 Fax: 707-355-1234
mcmillan@lamar.colostate.edu

Maria del Carmen Menendez Sevillano
Univ. de Buenos Aires, Fac. de Agronomía
Av San Martin 4453
1417 Buenos Aires, ARGENTINA
541-4-524-8096 (or 8069) Fax: 541-4-514-8732, sevillan@mail.agro.uba.ar

Phil Miklas
USDA, ARS, IAREC
24106 No. Bunn Road
Prosser, WA 99350-9687
509-786-9258 Fax: 509-786-9277
pmiklas@tricity.wsu.edu

David Mok
Dept. of Horticulture, Ag & Life Sci 4017
Oregon State University
Corvallis, OR 97331-7304
541-737-5460 Fax: 541-737-3479
mold@bcc.orst.edu

Carmenza Munoz
CIAT/Intl. Center for Tropical Agriculture
1380 NW 78th Ave
Miami, FL 33126
650-833-6625 ext 3078 Fax: lcmfo2@hotmail.com

Hans-Henning Mündel
Res. Centre
P. O. Box 3000, Main
Lethbridge, Alberta T1J 4B1 CANADA
403-317-2275 Fax: 403-382-3156
muendel@em.agr.ca

Magrath Library
Serials Dept.
Univ. of Minnesota
1984 Buford Ave
St. Paul, MN 55108-1012

José Antonio Maldonado
Seminis Vegetable Seeds Iberica
PO Box 175
04700 El Ejido Almeria SPAIN
34950580012 Fax: 34950581162
jmaldonado@svseeds.nl

Marcie Fisher Marston
Dept. of Biology
Roger Williams University
Bristol, RI 02809-2921
mfm@cw.rwu.edu

M. Mbikayi Nkonko
Chef’d’Antenne’ PNL/INERA MULUNGU
BP 327
Cyangugu RWANDA

Robert T. McMillan Jr.
Univ. of Florida, IFAS, TREC
18905 S.W. 280th Street
Homestead, FL 33031-3314
305-246-6340 Fax: 305-246-7003
rtmcm@gnv.ifas.ufl.edu

Michigan Bean Shippers Association
Attn: Jim Byrum
1501 N Shore Dr, Ste A
East Lansing, MI 48823
517-790-3010 Fax: 517-366-0227
mbsa@concentric.net

Carol A Miles
WSU Vancouver REU
1919 NE 78th St
Vancouver, WA 98665-9752
3605766030 Fax: 3605766032
milesc@wsu.edu

Kennedy Msimui
Misamfu Regional Research Cntr.
PO Box 410055
Kasama ZAMBIA

Lynn Murray
Bush Bros. & Co.
1016 East Wesgarber Rd
Knoxville, TN 37909-2683
865-588-7685 Fax:

Robert Mabagala
Tanzania Bean CRSP, Dept. of Crop Sci.
Sokoine Univ. of Agr, P.O. Box 3005
Morogoro, TANZANIA
255-56-3661 Fax: 255-56-4645
mabagal@suatanet.ac.tz

George Mahuku
CIAT/Intl. Center for Tropical Agriculture
1380 NW 78th Ave
Miami, FL 33126
650-833-6625 ext 3078 Fax: 650-833-6626

Albert R. Mann Library
Serials Unit
Cornell University
Ithaca, NY 14853-0808
lctgm@concyt.gob.gt

Phil McClean
Department of Plant Sciences
North Dakota State University
Fargo, ND 58105-5051
701-231-8443 Fax: 701-231-8474
mcclean@beanengenes.cws.ndsu.nodak.edu

Maeli Melotto
R. Luiz 300 Apto 93-DC
Piracicaba-SP
13417-530 BRAZIL
55-19-424-4816 Fax: melottomi@msu.edu

Edison Miglioranza
Universidad Estadual de Londrina
Depo de Agronomia
Parana BRAZIL
43-371-4697 Fax: emiglio@uel.br

El Sadig S. Mohamed
Coordinator, Grain Legumes
Shambat Res. Sta.
P. O. Box 30
Khartoum N. SUDAN

Charles A. Mullins
U.T. Plateau Exp. Station
320 Experiment Station Rd.
Crossville, TN 38555
615-484-0034 Fax: 615-484-3201
Wisdom@usit.net

Augustine Musoni
Chef, Programme Legumineuses
ISAR Rubona
B. P. 138
Butare RWANDA
Floyd A. Weems
Pure Line Seeds, Inc.
P. O. Box 8866
Moscow, ID 83843
208-882-4422 Fax: 208-882-4326

Mike Wood
Syngenta Seeds, Inc.
6338 Highway 20-26
Nampa, ID 83687
208-465-8533 Fax: 208-467-4559
Mike.wood@syngenta.com

Mildred Zapata
Dept. of Agonomy & Soils
Univ. of Puerto Rico, Mayaguez
PO Box 9030
Mayaguez, PR 00681-9030
787-767-5475 Fax: 787-265-3857

Molly Welsh
Curator, Phaseolus Collection
WRPIS
59 Johnson Hall
Pullman, WA 99164-6402
509-335-3692 Fax: 509-335-6654
mmwelsh@wsu.edu

Jim Wyatt
University of Tennessee
605 Airways Blvd.
Jackson, TN 38301-3200
901-424-1643 Fax: 901-425-4760
jwyatt6@utk.edu

Dale Williams
ND Foundation Seedstocks N.D. State Univ.
Dept. of Plant Sciences, 270D Lofsgard
Fargo, ND 58105-5051
701-231-8140 Fax: 701-231-8474
Dale.Williams@ndsu.nodak.edu

Yellowstone Bean Company
Rt. 1 - Box 1198
East Bridger, MT 59014
406-662-3622 Fax: 406-662-3679
ybco@wtp.net
BEAN IMPROVEMENT COOPERATIVE - Financial Statement

BALANCE ON HAND JANUARY 1, 2001 $7,519.42

INCOME CATEGORIES
Back Issues 24.00
Dues 5,038.55
Interest 181.07
Total Income Categories 5,243.62

EXPENSE CATEGORIES
Graduate Awards 500.00
Office Supplies 433.60
Meeting Supplies 150.86
Postage 1,632.07
Printing 3,421.75
Total Expense Categories 6,138.28

GRAND TOTAL -$894.66

BALANCE ON HAND DECEMBER 31, 2001 $6,624.76