The XXXX
Report of The
BEAN IMPROVEMENT COOPERATIVE

No. 40 March 1997

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Release of USWA-27 Black/White Anasazi Dry Bean Germplasm Lines -- M. J. Silbernagel and A. N. Hang


Release of USWA-48 and USWA-50 Navy Dry Bean Germplasm Lines -- M. J. Silbernagel and A. N. Hang

Release of USWA-61 and USWA-63 Pink Dry Bean Germplasm Lines -- M. J. Silbernagel and A. N. Hang

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Telephone/Fax/E-Mail DIRECTORY

FINANCIAL STATEMENT
THE XXXX ANNUAL REPORT OF THE BEAN IMPROVEMENT COOPERATIVE

The Bean Improvement Cooperative would like to celebrate its 40th anniversary as its members and other interested parties join us at the 1997 Biennial Meeting in Annapolis, Maryland from November 4 - 7. In addition, there are associated meetings with our colleagues in pea improvement, Crop Advisory Committees and the Regional W-150 Committee before and after the BIC/NDBC sessions. Our local hosts include Ed Kee (University of Delaware) and J. Rennie Stavely (USDA/ARS-Beltsville) in addition to their bean industry colleagues on the east coast. Please refer to the information provided by the local organizing committee in this report of the BIC, and look for other information and the call for abstracts that will be mailed directly by the local organizing committee to all BIC members later this year. Please share this information with interested colleagues who would like to attend these meetings and/or join the BIC.

Our organization has always had a strong commitment from its members who have devoted their time and energy to creating a positive atmosphere of cooperation and enthusiasm for those just beginning their exciting careers to those who have come to the end of their productive and rewarding careers with beans. Please review the call for nominations for the BIC Meritorious Service Award and the BIC Achievement Award, and forward your nominations to the Award Committee Chairperson, Dermot P. Coyne by July 1, 1997.

I have taken this opportunity to update the list of BIC Committee Membership, and those who have received BIC Awards throughout the history of the Bean Improvement Cooperative. In addition, we have an informal Genetics Committee, which of late has received leadership from individuals such as Paul Gepts, Jim Myers and Mark Bassett among others. On behalf of our 40-year old organization and its 350 members, I would like to thank all of the following individuals for their collective vision of and contributions to the Bean Improvement Cooperative.

BIC COMMITTEE MEMBERSHIP

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, Sprague, Wallace
1980    Atkin, Bliss, Dickson, Hagedorn, Morris, Sprague, Steadman, Temple, Wallace
1982    Atkin, Coyne, Dickson, Hagedorn, Sprague, Steadman, Temple, Wallace, Wyatt
1983    Coyne, Dickson, Hagedorn, Saettler, Silbernagel, Steadman, Temple, Wallace, Wyatt
1985    Coyne, Dickson, Mok, Saettler, Silbernagel, Steadman, Temple, Wallace, Wyatt
1986    Coyne, Dickson, Mok, Saettler, Schoonhoven, Schwartz, Silbernagel, Steadman, Wallace
1988    Brick, Dickson, Emery, Magnuson, Roos, Schwartz, Singh, Steadman, Uebersax
1992    Dickson, Emery, Graffon, Magnuson, Schwartz, Singh, Stavely, Steadman, Uebersax
1994    Antonius, Dickson, Graffon, Magnuson, Park, Schwartz, Singh, Stavely, Uebersax
1996    Antonius, Graffon, Park, Schwartz, Singh, Stavely, Myers, Kotch, Miklas, Riley
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, Silbernagel, Temple
1981  Abawi, Bliss, Monis, Silbernagel
1983  Adams, Bliss, Burke, Dean, Monis
1985  Emery, Hagedorn, Sandsted, Schwartz
1987  Emery, Hagedorn, Sandsted
1989  Coyne, Silbernagel, Wallace
1995  Coyne, Dickson, Stavely
1997  Coyne, Stavely, Schwartz

B I C  MERITORIOUS SERVICE & ACHIEVEMENT AWARD RECIPIENTS

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William A. Frazier- Oregon State Univ., Horticulturist (BIC Founder & Coordinator, 1957-67)  
Walter H. Pierce- Asgrow Seed Co., Plant Pathologist  
William J. Zaumeyer- USDA, Plant Pathologist |
| 1971 | Walter H. Burkholder- Cornell Univ., Plant Pathologist  
James R. Douglass- USDA, Entomologist  
Howard S. Gentry- USDA, Plant Explorer  
Charles W. Hungerford- Univ. of Idaho, Plant Pathologist  
Herbert A. K. Lamprecht- Pl. Breeding Inst. of Sweden, Geneticist  
John J. Natti- Cornell Univ., Plant Pathologist  
Melbourne C. Parker- Gallatin Valley Seed Co., Plant Breeder  
Francis L. Smith- Univ. of California, Agronomist  
Robert E. Wester- USDA, Plant Breeder |
| 1973 | Leslie L. Dean- Univ. of Idaho, Plant Pathologist  
Dermot P. Coyne- Univ. of Nebraska, Plant Breeder (BIC Coordinator, 1968-76)  
Shigemi Honma- Michigan State Univ., Plant Breeder  
Max. L. Schuster- Univ. of Nebraska, Plant Pathologist |
| 1977 | Douglas W. Burke- USDA, Plant Pathologist  
Roelof Prakken- Utrecht Univ. of the Netherlands, Geneticist  
Clibas Vieira- Univ. Federal de Vicoso of Brazil, Agronomist |
| 1979 | Barbara J. Ballantyne- New South Wales, Plant Pathologist  
Donald J. Hagedorn- Univ. of Wisconsin, Plant Pathologist  
Marshall LeBaron- Univ. of Idaho, Agronomist |
| 1982 | Eelco Drijfhout- Agr. Inst. of the Netherlands, Plant Breeder  
Donald H. Wallace- Cornell Univ., Plant Breeder  
Donald R. Wood- Colorado State Univ., Plant Breeder |
1983  Leland W. Hudson- USDA, Horticulturist
       Roger F. Sandsted- Cornell Univ., Horticulturist

1987  Michael H. Dickson- Cornell Univ., Plant Breeder (BIC Coordinator, 1976-87)
       Aart van Schoonhoven- CIAT, Entomologist
       Frederick A. Bliss- Univ. of Wisconsin, Plant Breeder
       Matt J. Silbernagel- USDA, Plant Pathologist

       John D. Aktin- Asgrow Seed Co., Plant Breeder
       Colin L.A. Leakey- England, Geneticist
       Alfred W. Saettler- USDA, Plant Pathologist
       Arthur P. Sprague- Del Monte, Plant Breeder
       James R. Steadman- Univ. of Nebraska, Plant Pathologist
       J. C. "Mike" Tu- Agriculture Canada, Plant Pathologist
       James D. Kelley- Mich. State Univ., Plant Breeder [Achievement Award]

1991  Iver L. Jorgensen- Northrup King & Co., Plant Breeder
       John L. Morris- Rogers/NK Seed Co., Plant Breeder
       Rosario Provvidenti- Cornell University, Plant Pathologist
       Shree P. Singh- CIAT, Plant Breeder
       J. Rennie Stavely- ARS/USDA-Beltsville, Plant Pathologist
       Daniel Debouck- IBPGR, Rome, Plant Geneticist [Achievement Award]
       Paul L. Gepts- Univ. of Calif.-Davis, Plant Geneticist [Achievement Award]
       Pat Barnes-McConnel- Bean/Cowpea CRSP, Administrator [Achievement Award]

1993  Hubert L. Bannerot- INRA, Versailles, Plant Breeder
       Cesar Cardona- CIAT, Entomologist
       Robert B. Colville- Del Monte Foods, Variety Development
       George L. Hosfield- ARS/USDA, East Lansing, Genetics/Nutrition
       Oswaldo V. Voysest- CIAT, Agronomy/Germplasm Evaluation
       James S. Beaver- Univ. of Puerto Rico, Plant Breeder [Achievement Award]

1995  Howard F. Schwartz- Colorado State University, Plant Pathologist (BIC President, 1988-97)
       Kenneth F. Grafton- North Dakota State University, Plant Breeder [Achievement Award]

SEED REQUEST

Elaine Chittenden, Collection Manager for the W. J. Beal Botanical Garden at Michigan State University, is looking for a source of dwarf sieva bean, Phaseolus lunatus var. lunonanus. If you are aware of a source or can supply a small amount of seed, please contact her directly via e-mail <chitt@gnds.msu.edu> or at Grounds Maintenance, Michigan State University, East Lansing, MI 48824. Your assistance is appreciated - Jim Kelly.

BEAN BREEDER CHANGE AT AGRI-FOOD CANADA

In mid-September, 1996, Dr. Hans-Henning Muendel assumed full responsibilities for the Agriculture and Agri-Food Canada, Lethbridge-based dry bean breeding program for the Canadian prairies. Dr. Muendel took over from Dr. Gilles Saindon, who has accepted the position of Director of AAFC’s Fredericton, New Brunswick Research Center. The Lethbridge program, coordinating with Ferdinand Kiehn at AAFC, Morden, Manitoba, is mandated to develop early maturing, upright dry beans for irrigated southern Alberta and rainfed southern Manitoba in the major types of pinto, great northern, red mexican, pink, small black, and navy (small white). For further information contact Dr. Hans-Henning Muendel (please refer to BIC Directory).
IN MEMORY OF William J. (Bill) Zaumeyer

William J. (Bill) Zaumeyer of Potomac Valley Nursing Home, Potomac, Maryland died May 11, 1995 at the age of 91. He was known nationally and internationally for his many significant accomplishments and leadership in bean improvement pathology and breeding over many years. Bill was among the founders of the Bean Improvement Cooperative in 1957 with his devoted colleagues in bean improvement. He was an innovative researcher that did pioneer research on many bean disease problems and was directly responsible or involved in developing many improved snap and dry bean cultivars from about 1935 through most of the 1960s. Among the cultivars that he played the major role in developing were Topcrop and Tendercrop snap beans and Great Northern 1140 dry bean. Tendercrop is in the pedigree of most of the currently grown bush snap beans and it was a major factor in conversion from the indeterminate to bush plant habit that is well adapted for high yielding mechanical harvest. He was a lifelong promoter of seed production in the arid west for control of seed-borne diseases.

Dr. Zaumeyer was born in Milwaukee, Wisconsin on December 10, 1903. He received his B.S. degree in 1925, M.S. in 1927, and Ph.D. in 1928 from the University of Wisconsin in Madison. His graduate degrees were in Plant Pathology, where Dr. L. R. Jones was his major professor. In 1927, he accepted appointment as a plant pathologist with USDA and in 1928 he moved to Washington, D.C. to do bean research there and across the Potomac River at the old Arlington Farm in northern Virginia. He worked with Dr. L. L. Harter, who had been appointed leader of the bean research project in 1926. Bill began breeding beans for disease resistance about 1930. In 1932 or 1933 this research and Bill were moved to Beltsville, Maryland into the first USDA building that was built at the Plant Industry Station on the west side of route US 1. Upon Dr. Harter’s retirement in the mid-1940s, Dr. Zaumeyer became Investigations Leader for Beans and Peas and the leader of the nationwide research effort in improving these crops. He and H. Rex Thomas wrote a much enlarged, 255 page revision of “A Monographic Study of Bean Diseases and Methods for Their Control”, published in 1957 as USDA Technical Bulletin Number 868. A previous, shorter edition of this thorough book had been written by Harter and Zaumeyer and published in 1944.

Bill Zaumeyer authored over 150 technical papers on bean pathology, breeding, and genetics. He was among the first recipients of the Bean Improvement Cooperative Meritorious Service Award, a founder and elected as first president of the Potomac Division of the American Phytopathological Society (APS) in 1944, and elected President of APS in 1965. Dr. Zaumeyer received many other awards and honors, including Gold Medal Award, All-American Selections, 1950, Superior Service Award of USDA, 1957, Award of Royal Horticultural Society of England, 1959, Fellow of APS, 1965, Special Consultant-Rockefeller Foundation, 1967, Distinguished Service Award, USDA, 1969, Distinguished Service Award of Potomac Division, APS, 1988.

Dr. Zaumeyer retired from USDA in January 1969 and went to Ireland for a one-year post-retirement research appointment. After returning, he was a frequent visitor to Beltsville until a few years before his death. He maintained an intense interest in bean improvement until his final days and delighted in recalling his many friends in the bean community. In 1930, Bill married Ivy Rabbit, who survived him to die on September 8, 1996. They are survived by daughters Margaret (Mrs. Paul) Flood and Carol (Mrs Bernard) McCarthey, and seven grandchildren.

IN MEMORY OF Joseph Steinke

Joseph Steinke of Bridgeton, New Jersey died December 21, 1996 at the age of 78. Raised in New Haven, he completed his studies at the University of Connecticut. He served in the U. S. Army Infantry as a military policeman in World War II. After the war he worked as a plant breeder for Asgrow Seed Company at the Eastern Breeding Station in Orange, Connecticut. From 1956 to 1962, he cooperated with Seabrook Farms in evaluating processing vegetable varieties on the company’s research plots. During the 1960s, he helped Asgrow relocate to Upper Deerfield Township. As a horticulturist, he was responsible for the development of several new fruit and vegetable varieties, and was honored on a number of occasions for distinguished service to New Jersey agriculture. He had been a member since 1949 of the All American Vegetable Council, with a tenure the longest of any judge on the council. In 1980 he received the Medallion of Honor which was presented at the 100th anniversary of the New Jersey Agricultural Experiment Station. He and his wife, Isabelle F. (nee Conklin) had been residents of Bridgeton since 1962.
REGIONAL BEAN PUBLICATION RELEASE

Colorado State University, the University of Nebraska and the University of Wyoming are pleased to announce the availability of the regional publication entitled, "DRY BEAN PRODUCTION & PEST MANAGEMENT No. 562A". This 106 page publication (with 162 enhanced color pictures, 19 figures, and 18 tables) serves as a new dimension for the university to provide a more comprehensive and higher quality product to the national bean industry, agribusiness and crop production personnel.

Copies are available from Colorado State University ($10.30 + $4.00 postage/handling) by contacting: THE OTHER BOOKSTORE - Cooperative Extension Resource Center (CERC), 115 General Services Building, Colorado State University, Fort Collins, CO 80523-4061 [Telephone: 970-491-6198; Fax: 970-491-2961].

1997 ANNUAL BIC MEETING - Nov. 4 to 7 at Annapolis, Maryland

The Local Organizing Committee is composed of Ed Kee from the University of Delaware [tele: 302-856-7303; fax: 302-856-1845] and Rennie Stavely from the USDA/ARS at Beltsville [tele: 301-504-6600; fax: 301-504-5449]. The meetings will be held at the Historic Inns of Annapolis [telephone: 800-847-8882]; with shuttle service to and from the Baltimore-Washington Airport. BIC members will receive more information on the Call for Abstracts and an Updated Schedule of Meeting Events from the organizers in June or July.

Tentative Schedule:

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<tr>
<th>Date</th>
<th>Time</th>
<th>Event Description</th>
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<tr>
<td>Sunday - Nov. 2</td>
<td>1:00 pm</td>
<td>National Pea Improvement Association (NPIA) Executive Meeting</td>
</tr>
<tr>
<td></td>
<td>2:00 pm</td>
<td><strong>Pisum</strong> Crop Germplasm Committee</td>
</tr>
<tr>
<td>Monday - Nov. 3</td>
<td>8:00 am</td>
<td>NPIA Oral Presentations</td>
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<tr>
<td></td>
<td>noon</td>
<td>NPIA Awards Luncheon</td>
</tr>
<tr>
<td>Tuesday - Nov. 4</td>
<td>8:00 am</td>
<td><strong>Tour</strong> - vegetable processors, U. of Delaware, USDA Bean Plots</td>
</tr>
<tr>
<td></td>
<td>6:30 pm</td>
<td><strong>Phaseolus</strong> Crop Germplasm Committee</td>
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<tr>
<td>Wednesday - Nov. 5</td>
<td>7:00 am</td>
<td>BIC Executive Committee Meeting</td>
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<td></td>
<td>8:00 am</td>
<td>BIC Oral &amp; Poster Presentations</td>
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<tr>
<td></td>
<td>7:00 pm</td>
<td>BIC Genetics Committee</td>
</tr>
<tr>
<td>Thursday - Nov. 6</td>
<td>8:00 am</td>
<td>BIC Oral &amp; Poster Presentations</td>
</tr>
<tr>
<td></td>
<td>6:00 pm</td>
<td>BIC Awards Banquet</td>
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<tr>
<td>Friday - Nov. 7</td>
<td>8:00 am</td>
<td>BIC/National Dry Bean Council Oral presentations</td>
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<tr>
<td></td>
<td>noon</td>
<td>conclusion of BIC/NDBC meetings</td>
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<tr>
<td></td>
<td>1:30 pm</td>
<td><strong>W-150</strong> Regional Project</td>
</tr>
<tr>
<td>Saturday - Nov. 8</td>
<td></td>
<td>Optional Tour of USDA Beltsville Plots and Greenhouses (J. R. Stavely)</td>
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</table>
The Bean Improvement Cooperative has proudly acknowledged outstanding contributions made by many of its members to bean research and education. The Meritorious Service Award has been presented to nearly 50 of our colleagues during the 38 year history of the BIC. These recipients have devoted many years of their illustrious careers to bean research and education, and have consistently provided outstanding service to our organization.

The BIC Coordinating Committee and Awards Committee recently created a special award for BIC members who have devoted less time to their "bean careers" than our Meritorious Service Award recipients. The BIC Achievement Award acknowledges a scientist with fewer than 15 years of post-graduate service who has demonstrated outstanding contributions to bean research and/or education.

These awards will be presented at the next BIC Biennial Meeting to deserving candidates nominated by their peers and selected by the BIC Awards Committee. Award recipients will be acknowledged at the BIC Biennial Meeting in Annapolis, Maryland during November 4 - 7 of 1997. Please help us select worthy recipients.

**B I C AWARD NOMINATION**

Return by July 1, 1997 to:

Dr. Dermot P. Coyne  
BIC Awards Committee Chairman  
University of Nebraska  
386 Plant Science Bldg.  
Lincoln, NE 68583-0724

The other Awards Committee members are:

Dr. Howard F. Schwartz

Dr. J. Rennie Stavely

Nominee: Name: Address: Discipline: Nominated for: [Please include a 1-page typewritten summary statement giving place of birth, date and name of institution granting each degree, career history and accomplishments of the nominee]
search for a specifically tagged keyword, you must use the following format: `<keyword type=###>`. This format allows you to find a word(s) that are wrapped by that keyword tag. If it is a simple word search, type in the word. Some Boolean searches are available in Panorama (see below). Once the NAL site-search engine has been selected we anticipate having the flexibility to add any options needed to meet our users' needs.

**Sample Exercises**

When you open up Panorama make sure that you open the OPTIONS menu and turn on SHOW STATUS BAR and OCCURRENCE DENSITY DISPLAY.

Example 1: Boolean Searching

Open the article, "Effects of Different Storage Times on Cooking Time..."

try following the search strings (Hint: turn on SHOW TAGS under OPTIONS, if you have any problems):

Try searching: (cooking time) in `<keyword type=selection>`
(conclusion) in `<title>`
(germination) in `<section>`
(germination in `<section>`) or (Viera in `<section>`)  

Example 2: Searching for a specific word inside an element tag

Try searching: `<keyword type=selection> cont (breeding population)`
  `<keyword type=selection> cont (slow cooking genotype)`

Example 3: Searching for tagged element containing a specific word

Try searching:
  `<p> cont <keyword type=selection>) and (<p> cont will)`

Example 4: Search for a paragraph containing both the tagged element and a specific word

Make up your own example.

Complex Boolean Searching

One final note: if you search for text that is also a tagged element (keyword) in a context search (using 'in', 'and', 'cont', 'or'), surround the text with double quotations marks.
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<thead>
<tr>
<th>Name</th>
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</table>

**Note:** The table above contains contact information for various individuals and organizations related to agriculture and plant pathology, including their addresses, telephone numbers, fax numbers, and email addresses. This information is used for communication and collaboration within the field of agriculture and plant pathology.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address/Institution</th>
<th>Phone/Extension</th>
<th>Email</th>
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<tbody>
<tr>
<td>Butch Shaffer</td>
<td>Pure Line Seeds, Inc.</td>
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<td>Noel Govinden</td>
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<tr>
<td>Jan Hagner</td>
<td>Rogers Seed Company</td>
<td>208-467-1159</td>
<td></td>
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<tr>
<td>Charles Green</td>
<td></td>
<td>208-466-7360</td>
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<tr>
<td>Robert Hall</td>
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<tr>
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<tr>
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