

## CURRICULUM VITAE

**NAME:** Dr. Fida Mohammad

**DATE AND PLACE OF BIRTH:** April 27, 1963, Adina, Swabi (Pakistan)

**POSTAL ADDRESS:** Deptt. of Plant Breeding and Genetics  
NWFP Agricultural University, Peshawar,  
Pakistan

**HOME ADDRESS:** F-25 Khyber colony, Tehkal Payan,  
Peshawar, Pakistan

**CONTACT NO:** 091-92-9216892 (office)  
091-92-5701524 (Res)

**E-MAIL:** fida270463@yahoo.com

### EXPERIENCE:

<u>Date</u>	<u>Title</u>	<u>Institution</u>
Sept. 23, 1987 to May 25, 1990	Assistant Research Officer	NWFP Agri. Res. System
May 26, 1990 to April 23, 1996	Lecturer	NWFP - AUP
April 23, 1996 to Aug. 31, 2000	Assistant Professor	NWFP - AUP
Sept. 01, 2000 to April 12, 2003	Associate Professor	NWFP - AUP
April 12, 2003 to till date	Professor	NWFP - AUP

### HONOR AND AWARDS:

- Evolved a spring wheat cultivar "Ghaznavi-98" for irrigated areas, approved in the Provincial Seed Council Meeting, held on July 14, 1998.
- Developed a spring wheat cultivar "JANBAZ" for irrigated areas, recommended by the technical committee in a meeting held at Tarnab on November 19, 2009 under the chairmanship of Director General Agricultural Research (NWFP).
- Some advanced wheat lines are in advance testing for commercial release.

## **MEMBERSHIP IN PROFESSIONAL AND SCHOLARLY ORGANIZATION:**

Genetics Society of Pakistan, 1998-present

Sarhad Journal of Agriculture, 1994-present

Crop Science Society of America, 1991 – 1996

Member of University Syndicate (2009-2006), elected from the constituency of Professors.

Member of University Syndicate (2004-2006), elected from the constituency of Professors.

Member of the Academic Council, from 2003 to date

Member of University Syndicate (1996-1999), elected from the constituency of Assistant Professors.

President, Federation of All Pakistan Universities Academic Staff Association (FAPAUSA) 2011-12

President Khyber Pakhtunkhwa Agricultural University Teachers Association, Peshawar (2010-11)

President NWFP Agricultural University Teachers Association, Peshawar for two consecutive years (2009-10 & 2010-11)

Member of the University Tenders Opening Committee for three years.

## **POST GRADUATE STUDENTS:**

### **M.Sc. (HONS) STUDENTS SUPERVISED:      22**

Major Professor: Abdul Sattar, M.Sc (Hons) 2011. Heritability Estimates in F2 Populations for Various Traits in Bread Wheat.

Major Professor: Ayaz Khan, M.Sc. (Hons). 2011. Genotypic competition among elite wheat breeding lines under irrigated and rain-fed conditions.

Major Professor: Imtiaz Ali, M.Sc. (Hons) 2009. Combining ability and heterotic studies in Tobacco.

Major Professor: Yasir Farid, M.Sc. (Hons). 2009. Genotypic variability among elite breeding lines under normal and late plantings (research completed, thesis writing in progress).

Major Professor: Sultan Akbar, M.Sc. (Hons) 2004. Specific Combining ability in sunflower.

Major Professor: Ijaz Ahmad, M.Sc. (Hons) 2004. Evaluation of single cross hybrids in sunflower.

Major Professor: Ashfaq Ahmad, M.Sc. (Hons) 2004. Genotypic evaluation of some Virginia tobacco varieties for yield and quality traits.

Major Professor: Sajid Muhammad, M.Sc. (Hons). 2004. Genetic variability and traits correlation in wheat.

Major Professor: Khurram Maqbool, M.Sc. (Hons) 2004. Genetic analysis of yield associated traits in wheat.

Major Professor: Akhtar Ali, M.Sc. (Hons) 2004. Genotypic evaluation of wheat genotypes across environments.

Major Professor: Badar Kamal, M.Sc. (Hons) Student, 2005, "Heterosis in 8 x 8 diallel crosses of wheat".

Major Professor: Said Suleman, M.Sc. (Hons) 2005. Combining ability in wheat using diallel analysis.

Major Professor: Humaira Gul, M.Sc. (Hons) 2005. Student working on the "Genetic variability for phytic acid and yield associated parameters in bread wheat and triticale".

Major Professor: Nasir Ali, M.Sc. (Hons) 2007. Heritability estimates for some production traits in wheat.

Major Professor: M. Bashir Badshah, M.Sc (Hons) 2006. Genotypic variability for production traits in segregating wheat populations.

Major Professor: M. Shahid, M.Sc (Hons), 2000. Path Coefficient analysis in wheat.

Major Professor: Nusrat Bibi, MSc (Hons), 1998. Performance of advanced lines under rainfed conditions

Major Professor: Ihsanullah, MSc. (Hons), 1998. Correlation of Yield and yield-associated traits in wheat breeding lines

Major Professor: Bostan Ali, M.Sc (Hons), 1998. Performance of advanced lines under different locations of Mansehra

Major Professor: Majid Ali Shah, MSc (Hons), 1997. Comparison of advanced wheat populations under two regimes of moisture

Major Professor: Humaira Daniel, MSc (Hons), 1997. Heritability estimates for economically important traits in wheat

Co-Major Professor: Iqbal Munir, MSc (Hons), 1996. Heterotic effect of F<sub>1</sub> hybrids in wheat

Co-Major Professor: Khurram Shahzad, M.Sc (Hons), 1999. Screening of ICARDA Wheat genotypes for drought tolerance

Co-Major Professor: Syed Mehar Ali Shah, M.Sc. (Hons), 2002. Genotypic variability for yield and yield associated traits in wheat.

**Ph.D STUDENTS SUPERVISED:            6**

Major Professor: Sultan Akbar Jadoon, Ph.D. 2011. "Population Differences and Inheritance for Some Production Traits in Bread Wheat".

Major Professor: Farhad Ahmad, Ph.D. 2005. "Genetics of some production traits in bread wheat across environments".

Major Professor: Ghulam Hassan, Ph.D, 2004. "Diallel analysis of some important parameters in wheat under irrigated and rainfed conditions".

Major Professor: Inamullah, Ph.D, 2004. "Inheritance of important traits in bread wheat by diallel analysis".

Major Professor: Ijaz Ahmad, Ph.D. Research on phytic acid in wheat is in progress.

Major Professor: Qaizar Ahmad, Ph.D. Research on Diallel study in Tobacco crop is in progress

**SERVICE ACTIVITIES:**

**Teaching:**

I have been actively involved in teaching, Ph.D, graduate and undergraduate level

courses.

**Research:**

- Acting as Incharge of 30 acres farm
- Managing of certified and BNS wheat seed production on 30 acres farm
- Advising students in their PhD, M.Sc.(Hons), special problem research and writing dissertation/Thesis/report
- Help students in preparing seminars and class presentations
- Radio Talk

**BRIEF STATEMENT OF RESEARCH INTEREST:**

I researched wheat crop for my M.Sc.(Hons), Ph.D and Post Doctoral Studies. Therefore, the primary interest is to study wheat crop and research articles related to innovative research in wheat genetics, morphology and grain yield production. My research priorities include development of high yielding wheat varieties with low phytic acid profile.

**PUBLICATIONS:**

**a. Publications in Journals with Impact Factor**

Khan S.A., N.U. Khan, **F. Mohammad**, M. Ahmad, I.A. Khan, I.U. Khan, Z. Bibi, And S. Shaheen. 2011. Combining Ability Analysis In Intraspecific F1 Diallel Cross of Upland Cotton. Pakistan Journal Of Botany.43(3):1719-1723.

Ahmad M., NU. Khan, **F. Mohammad**, S.A. Khan, I. Munir, Z. Bibi, S. Shaheen and I.U. Khan. 2011.Genetic Potential And Heritability Studies For Some Polygenic Traits In Cotton (*Gossypium Hirsutum* L.)Pakistan Journal Of Botany.43(3): 1713-1718.

**Mohammad F.**, O.S. Abdalla, S. Rajaram, Ala'a Yaljarouka, Naqib Ullah Khan, Amir Zaman Khan, Shad Khan Khalil, Iftikhar Hussain Khalil1, Ijaz Ahmad1 And Sultan Akbar Jadoon.2011. Additive Main Effect And Multiplicative Anaylysis Of Synthetic-Derived Bread Wheat Under Varying Moisture Regimes. Pak. J. Bot., 43(2): 1205-1210.

Khalil S.K., Faridoon Khan, A. Rehman, **Fida Muhammad**, Amanullah, A.Z. Khan, S. Wahab, S. Akhtar, M. Zubair, I.H. Khalil, M. Kalan Shah, Humayun Khan. 2011.

Dual Purpose Wheat For Forage And Grain Yield In Response To Cutting, Seed Rate And Nitrogen. Pak. J. Bot., 43(2): 937-947.

Raziuddin, Farhatullah, Ghulam Hassan, M. Akmal, S. Salim Shah, **Fida Mohammad**, M. Shafi, Jehan Bakht and Weijun Zhou. 2011. Effects of cadmium and salinity on growth and photosynthesis parameters of Brassica species. Pak. J. Bot., 43(1):333-340.

Hidayat Ullah, Iftikhar Hussain Khalil, Hidayat-ur-Rahman, **Fida Muhammad**, Ibni Amin Khalil and Shad Khan Khalil. 2011. Environmental influence on heritability and selection response of morpho-physiological traits in mungbean. Pak. J. Bot., 43(1): 301-310

**Mohammad F.**, Ijaz Ahmad, Naqib Ullah Khan, Khurram Maqbool, Aysha Naz, Salma Shaheen and Khalid Ali. 2011. Comparative study of morphological traits in wheat and triticale. Pak. J. Bot., 43(1):165-170.

**Mohammad F.**, O.S. Abdalla, S. Rajaram and A. Yaljarouka. 2010. Yield of synthetic-derived bread wheat under varying moisture regimes. Pak. J. Bot. 42(6): 4103-4112.

Khalil S.K., A. Wahab, A. Rehman, **Fida Muhammad**, S. Wahab, A. Z. Khan, M. Zubair, Mir Kalan Shah, I. H. Khalil And R. Amin. 2010. Density And Planting Date Influence Phenological Development Assimilate Partitioning And Dry Matter Production Of Faba Bean. Pak. J. Bot. 42(6) 3831-3838.

Khan A.Z., P. Shah, **F. Mohd**, H. Khan, Amanullah, S. Perveen, S. Nigar, S.K. Khalil and M. Zubair. 2010. Vigor tests used to rank seed lot quality and predict field emergence in wheat. Pak. J. Bot. 42(5) 3147-3155.

Makhdoom, K., N.U. Khan, S. Batool, Z. Bibi, Farhatullah, **F. Mohammad**, D. Hussain, Raziuddin, M. Sajjad and N. Khan 2010. Genetic aptitude and correlation studies in *G. Hirstum* L. Pak. J. Bot., 42(3) 2011-2017.

Khalil S.K., Shitab Khan, Abdur Rahman, Amir Zaman Khan, I.H. Khalil, Amanullah, Said Wahab, **Fida Mohammad**, Shaheen Nigar , Muhammad Zubair , Sajida Parveen And Ahmad Khan. 2010. Priming And Phosphorus Application Enhance Phenology And Dry Matter Production Of Wheat. Pak. J. Bot. 42(3) 1849-1856.

Batool, S., N.U. Khan, K. Makhdoom, Z. Bibi, G. Hassan, K. B. Marwat, Farhatullah, **F. Mohammad**, Raziuddin and I.A. Khan 2010. Heritability and genetic potential of upland cotton genotypes for morpho-yield traits. Pak. J. Bot., 42(2) 1057-1064.

Khalil, S.K., T.Mehmood, A. Rehman, S. Wahab, A. Zaman, M. Zubair **F. Mohammad**, Naqibullah. K, Amanullah and I.H. Khalil. 2010. Utilization of allelopathy and

planting geometry for weed management and dry matter production of maize. Pak. J. Bot., 42(2):791-803.

Khalil, S.K., J.G. Mexal, A. Rehman, A. Z. Khan, S. Wahab, M. Zubair, I.H. Khalil and **F. Mohammad** 2010. Soybean mother plant exposure to temperature stress and its effect on germination under osmotic stress. Pak. J. Bot., 42(1):213-225.

Inamullah, H. Ahmad, **F. Mohammad**, G. Hassan, Siraj-ud-din, and R. Gul. 2006. Diallel analysis of the inheritance pattern of agronomic traits of bread wheat. Pak. J. Bot. 38(4): 1169-1175.

Inamullah, H. Ahmad, **F. Mohammad**, Siraj-ud-din, G. Hassan and R. Gul. 2006. Evaluation of the heterotic and heterobeltiotic potential of wheat genotypes for improved yield. Pak. J. Bot. 38(4): 1159-1168.

**Mohammad F.**, J. M. Windes and E. J. Souza. 1997. Total non-structural carbohydrates in winter wheat populations segregating for snow mold tolerance. Crop Sci. 37:108-112.

#### **b. Publications in HEC recognized Journals**

Shams-ur-Rahman., S.K Khalil, A.Z Khan, F. Subhan, M. Younis, **F. Mohammad** and Nazir Jan 2010. Poly Ethylene Glycol (PEG) osmopriming affects phenology, plant height and biomass yield of rainfed wheat. Sarhad J. Agric. 26(3):337-348.

Usman, K., S.K Khalil, **F. Mohammad**, M. A Khan and A.Z Khan 2009. Weed management in wheat as affected by tillage and herbicides. Pak. J. Weed Seci. Res. 15(2-3):155-169.

Shah, S.M.A., A. Ahmad, **F. Mohammad**, H. Rahman, G. Woras, M.Y. Khan, and D. Jan. 2008. Genotypic evaluation of some flue-cured Virginia tobacco genotype for yield and quality traits. Sarhad J. Agric. 24(4):607-611.

Ali, M., **F. Mohammad**, S.A. Jadoon and F. Ahmad. 2007. Genotypic performance of segregating wheat populations at Kaghan. Sarhad J. Agric., 23(4):981-984.

Ahmad F., F. Mohammad, M. Bashir, Saifullah and Hakim Khan. 2007. Inheritance of important traits in bread wheat over different planting dates using diallel analysis. Sarhad J. Agric. 23(4):956-963.

Hassan, G., **F. Mohammad**, S.S. Afridi and I. Khalil 2007. Combining ability in the F1 generations of diallel cross for yield and yield components in wheat. Sarhad J. Agric., 23(4):937-942.

**Mohammad, F.**, S. Akbar. S. M. Rashid and S. Shaheen. 2006. Heritability estimates for coleoptile length and other traits in bread wheat. Sarhad J. Agric. 22(3): 405-408.

- Hassan, G., **F. Mohammad**, I. Khalil, Raziuddin and M. Jan. 2006. Combining ability analysis through diallel crosses in bread wheat. *Sarhad J. Agric.* 22(3): 419-425.
- Inamullah, **F. Mohammad**, Siraj-ud-Din, G. Hassan and S. Ali. 2006. Combining ability analysis for important traits in bread wheat. *Sarhad J. Agric.* 22(1): 46-50.
- Inamullah, **F. Mohammad**, G. Hassan, Siraj-ud-Din and S. Akber. 2005. Genetics of important traits in bread wheat (*Triticum aestivum* L.) using diallel analysis. *Sarhad J. Agric.* 21(4): 617-622.
- Hassan G., **F. Mohammad**, S. Shah and M. Jan. 2005. Heterotic effects for grain yield and associated traits in an eight parent diallel of bread wheat. *Sarhad J. Agric.* 21(4): 607-610.
- Gul H., **F. Mohammad**, K. Maqbool and A. Naz. 2004. Studies on yield components in wheat vs triticale. *Sarhad J. Agric.* 20(4): 533-536.
- Ahmad F., S.Salim Shah, Ghulam Hassan Raziuddin and **F. Mohammad**. 2004. Evaluation of different wheat genotypes under agro-climatic conditions of Mansehra. *Sarhad J. Agric.* 20(4): 529-532.
- Mohammad F.**, S.M.A. Shah, M.S.Swati, T. Shehzad and S.Iqbal (2004), Genotypic variability for yield and morphological traits in bread wheat (*Triticum aestivum* L.). *Sarhad J. Agric.* 20(1): 67-71.
- Shah S.M.A, **F. Mohammad**, M.S.Swati and S.Iqbal (2003). Genotypic variability for yield associated traits in bread wheat. *Sarhad J. Agric.* 19(4): 535-538.
- Ahmad M, **F. Mohammad**, K. Maqbool, A. Azim and S. Iqbal, 2003. Genetic variability and traits correlation in wheat. *Sarhad J. Agric.* 19(3): 347-351.
- Maqbool K, **F. Mohammad** and M. Ahmad, 2003. Heritability and traits correlation in Triticale. *Sarhad J. Agric.* 19(2): 203-206.
- Shahid M., **F. Mohammad** and M. Tahir, 2002. Path coefficient analysis in wheat (*Triticum aestivum* L.) *Sarhad J. Agric.* 18(4): 383-388.
- Mohammad F.**, H. Daniel, K. Shahzad and H. Khan (2001), Heritability estimates for yield and its components in wheat (*Triticum aestivum* L.). *Sarhad J. Agric.* 17(2):227-234.
- Ihsanullah and **F. Mohammad** (2001), Correlation of yield and yield associated traits in spring wheat. *Sarhad J. Agric.* 17(1):97-100.
- Munir I, M.S. Swati, **F. Muhammad**, R. Ahmad and M. Imtiaz. 1999. Heterosis in different crosses of wheat (*Triticum aestivum* L.). *Sarhad J. Agric.* 15(4):299-303.



**Mohammad F.**, M. S. Swati, G. Hassan and A. Rafi. 1997. Heritability estimates of some traits in spring wheat (*Triticum aestivum* L.). Sarhad J. Agric. XIII(1):61-65.

Ahmed, I., M.S. Swati and **F. Mohammad**. 1995. Comparative performance of F<sub>6</sub> populations in wheat (*Triticum aestivum* L.). Sarhad J. Agric. XI(5):631-634.

**Mohammad F.**, M.S. Swati, H. Rahman and G. Hassan. 1995. Heritability estimates of Flag leaf lamina area and flag leaf sheath length in an 8x8 diallel of wheat. Sarhad J. Agric. XI(5):619-625.

Hassan, G., Raziuddin, Saeedul Hasan, H. Rehman and **F. Mohammad**. 1995. Heritability estimates of post-harvest parameters in mungbean (*Vigna radiata* L.) genotypes. Sarhad J. Agric. XI(4):429-433

Swati, M.S., Gul Zada, Asad Ali, H. Rahman and **F. Mohammad**. 1994 Combining ability of plant height and other lodging related traits of spring wheat under saline and fresh water conditions. Sarhad J. Agric. X (6): 655-665.

Aziz, A., M. Saleem, H. Rahman and **F. Mohammad**. 1992. Performance of maize hybrids under irrigated condition. Sarhad J. Agric. Vol. III (5): 509-512.

Aziz, A., M. Saleem, H. Rahman and **F. Mohammad** 1992. Genetic variability for yield and disease resistance in full and short season varieties of maize. Sarhad J. of Agric. Vol. VIII (2): 195-198.

### c. Publications in Local Journals

Saqib., M.S., S. J.A. Shah, F. Mohammad, M. Ibrahim and S. Ali 2008. Genotypic variability for *Alternaria alternate* (Fr.) Keissler infection in bread wheat. 7(1):34-39.

Mohammad F, E. Souza, M. Guttieri and H. Rahman, 2001. A rapid technique for evaluating snow mold tolerance in wheat. Pak. J. Pl. Sci. 7(1-2):83-88.

Ahmed R, H. Rahman, G. Hassan, M. Ahmad and **F. Muhammad**. 1999. Screening of maize synthetics for drought tolerance. Pak. J. Pl. Sci. 5(2):121-132.

Ihsan Ullah and **F. Mohammad** 2000. Performance of wheat genotypes under agroclimatic conditions of Peshawar. Scientific Khyber 13(1):57-63.

### c. International Presentations/Proceedings

Ahmad, F., F. Mohammad, S. Akbar, H. Khan and S. Q. Ahmad 2006. Genetic analysis of some quantitative traits in bread wheat across environments. Int. Wheat Seminar, organized by wheat Res. Instt. Faisalabad pg 25-28.

**F. Mohammad**, J. M. Windes and E. J. Souza. 1994. Typhula snow mold tolerance in winter wheat. The American phytopathological Society Meeting.

**F. Mohammad**, J. M. Windes., E. J. Souza and R. S. Zemetra. 1993. Predication of snow mold tolerance in wheat from total non- structural carbohydrate content. ASA CSSA and SSA Ann. Agron Meeting

**F. Mohammad**, M.S. Swati., E. J. Souza. 1992. Heritability of some agronomic characters in wheat under Peshawar conditions, (Pakistan). ASA CSSA and SSA

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad** and L.A. Mercado. Dryland winter and spring wheat trials, Bonneville Country. Bonneville County Field Day, Idaho, July 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad** and L.A. Mercado. Irrigated wheat review panel: advanced lines of irrigated wheat, Aberdeen wheat Breeding Field Day, Aberdeen Idaho, July 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad**, and L.A. Mercado. Wheat breeding at the university of Idaho, Aberdeen R & E Center. Winter Commodity School, Pocatello, Idaho; Idaho Falls, Idaho, February 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad** and L.A. Mercado. Irrigated wheat cultivars for Bingham and Power Counties, Modern Mills Grower Seminar, Blackfoot, Idaho, January 1993.

#### **RESEARCH GRANTS AND CONTRACTS:**

1. Successfully completed a competitive grant project on "Production of doubled haploids wheat with longer coleoptiles" at a total cost of Rs. 1.859 million (2003-2006).
2. INCO-DC Project. Participated as wheat breeder in multi disciplinary project (1998-2002) on "Assessment and development of salinity, sodicity and water logging tolerant wheat genotypes for India and Pakistan: Funds allocated": ~Rs. 6.0 million.

#### **OTHER RESEARCH CREATIVE ACCOMPLISHMENT**

- Evolved a spring wheat cultivar "Ghaznavi-98" for irrigated areas, approved in the Provincial Seed Council Meeting, held on July 14, 1998.
- Developed a spring wheat cultivar "JANBAZ" for irrigated areas, recommended by the technical committee in a meeting held at Tarnab on November 19, 2009 under the chairmanship of Director General Agricultural Research (NWFP).

## SELECTED PROFESSIONAL PRESENTATIONS:

Ahmad, F., F. Mohammad, S. Akbar, H. Khan and S. Q. Ahmad 2006. Genetic analysis of some quantitative traits in bread wheat across environments. Int. Wheat Seminar, organized by wheat Res. Instt. Faisalabad pg 25-28.

**F. Mohammad**, J. M. Windes and E. J. Souza. 1994. Typhula snow mold tolerance in winter wheat. The American phytopathological Society Meeting.

**F. Mohammad**, J. M. Windes., E. J. Souza and R. S. Zemetra. 1993. Predication of snow mold tolerance in wheat from total non- structural carbohydrate content. ASA CSSA and SSA Ann. Agron Meeting

**F. Mohammad**, M.S. Swati., E. J. Souza. 1992. Heritability of some agronomic characters in wheat under Peshawar conditions, (Pakistan). ASA CSSA and SSA

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad** and L.A. Mercado. Dryland winter and spring wheat trials, Bonneville Country. Bonneville County Field Day, Idaho, July 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad** and L.A. Mercado. Irrigated wheat review panel: advanced lines of irrigated wheat, Aberdeen wheat Breeding Field Day, Aberdeen Idaho, July 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad**, and L.A. Mercado. Wheat breeding at the university of Idaho, Aberdeen R & E Center. Winter Commodity School, Pocatello, Idaho; Idaho Falls, Idaho, February 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Mohammad** and L.A. Mercado. Irrigated wheat cultivars for Bingham and Power Counties, Modern Mills Grower Seminar, Blackfoot, Idaho, January 1993.