

## OUTREACH AND DISSEMINATION

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Throughout his career Dr. Lopez has been a leader in outreach activities, especially those favoring Hispanics. In 1993 he was the Chair of the Committee on Minorities of the American Physical Society. From 1993 to 1995 he created the NASA Physics Centers in six high schools of the El Paso area. In 1995 he obtained a grant from the Sloan Foundation to found The National Society of Hispanic Physicists, now with over 400 members. Going beyond our borders, he has trekked most of Mexico to recruit dozens of students for graduate studies in the US, many of whom are now professional physicists in Mexico and elsewhere. An avid writer, he has written dozens of general audience articles both in English and Spanish for newspapers and journals in the USA, México and Spain, and has given over 30 TV, radio and newspaper interviews.

### SYNERGISTIC ACTIVITIES

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- With funding from GTE (\$30,000), UTEP's MRCE (\$10,000) and NASA (\$84,000), Dr. Lopez maintained an outreach program from 1993 to 1997 which, among other activities, created six "NASA Physics Centers" in six high schools in the El Paso area to do outreach activities, including math and physics tutoring, publishing of a newsletter "Tlaxihuicatl" ("The sky observer" in Nahuatl, the Aztec language), presentations of famous researchers, such as Nobel Laureate Leon Lederman, physics competitions, Open House events, telescope nights, field trips and many other activities.
- Using monies from his own  $\rho\sigma\tau$ -Schumaker Professorship, Dr. Lopez supported a Spanish language radio show ("UTEP en El Reto") for several months with Luis Basurto through XEWG 1240 AM, and a weekly column in the Spanish language newspaper "El Reto" for over one year.
- From 1995 to 2010 Dr. Lopez joined efforts with McDonald Observatory's Damond Beningham, and Arturo Vazquez's "Ixtlan Communication" group of broadcast experts to produce "Universo", the Spanish version of StarDate with modified scripts to include Hispanic issues and anecdotes in the daily 2 min. segments. The program was supported with funds from the National Science Foundation, Honda Corporation, NASA, and many other funding agencies and foundations and was broadcast in over 180 radio stations throughout the US, Mexico and Central and South America; at present the show continues monthly due to lack of funds. For more information see <http://radiouniverso.org/>.

### INTERVIEWS

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1. Radio interview in "RAYMN8R" in American Conservative Radio Network, ½ hour, Apr. 5, 9:00 PM EST, 2011, by Ray Spitzer, <http://www.blogtalkradio.com/ac-nation/2011/03/23/the-raymn8r-report>.
2. Radio interview in "Breaking it down with DT" in American Conservative Radio Network, ½ hour, Mar. 17, 10:00 PM EST, 2011, by David Terry, <http://www.blogtalkradio.com/ac-nation/2011/03/18/breaking-it-down-with-dt>.
3. TV and Radio Interview "Alerta sobre posible fraude electoral en 2012", 5 min. by Josefina Real of Medios UDG Noticias, in the studios of TV Universidad, Universidad de Guadalajara, Guadalajara, México, Mar. 12, 2011. <http://www.medios.udg.mx/node/7456>.
4. Radio Interview, "Medios UDG Noticias", by Josefina Real, by phone, Universidad Autónoma de Guadalajara, Mexico, 9:13 min., May. 6, 2010.
5. Radio Interview, "A ciencia cierta", by Rocío Ortiz, in the studios of Radio Zacatecas, Zacatecas, Mexico, 9:59 min., Mar. 9, 2010, <http://www.youtube.com/watch?v=ZaFm1Jk4ueU>.
6. Radio Interview, "Enfoque Latino", by Rubén Tapia, by phone, Radio Pacifica KPFK 90.7 FM, Los Angeles, CA, 7:37 min., Mar. 9, 2010, <http://www.youtube.com/watch?v=nQ4-2Lsy2qI>.

7. Interview in Diario de El Paso, Nov. 2, 2009, by Celia Gonzalez.
8. Report in El Paso Times, Nov. 2, 2009.
9. Interview, in Diario La Jornada Aguascalientes, Aug, 31, 2009, by Mauricio Navarro, page 11: [http://newwarrior.com/jornada/hemeroteca/2009-08\\_Agosto/31082009.pdf](http://newwarrior.com/jornada/hemeroteca/2009-08_Agosto/31082009.pdf).
10. Interview, in newspaper "Aguas", Aguascalientes, Aug, 8, 2009.
11. Radio Interview, "7:00 AM", by Gaby Hermosillo, in the studio of Radio Universidad, Universidad Autónoma de Aguascalientes, Aguascalientes, Mexico, 10:07 min., 8/20/2009, [www.youtube.com/watch?v=HHApnshWI-0](http://www.youtube.com/watch?v=HHApnshWI-0).
12. TV Interview, "En Contexto", 4:53 min. by Rubén Luengas, in the studios of Telemundo, Burbank, CA, Jul. 31, 2009, <http://www.youtube.com/watch?v=Gh6Aov84wOk>.
13. Science Capsules, in "El Reto Radio" in KVIV, El Paso, every Wednesday from 3:45 to 4:00 pm, from Sept. to Nov., 2008, host: Dr. Samuel Schmidt.
14. Mention in article "Universo Radio Program Airs 5,000th Episode, Brings Astronomy and Skylore to Spanish-Speaking Audience", Nov. 25, 2008, [http://www.utexas.edu/news/2008/11/25/universo\\_radio/](http://www.utexas.edu/news/2008/11/25/universo_radio/).
15. "UTEP en El Reto", ½ hour radio show, with Luis Basurto, XEWG 1240 AM, Cd. Juárez, México, from Oct. to Dec. 2008, <http://utepelreto.blogspot.com/2008/12/emisin-del-da-13-de-diciembre-de-2008.html>.
16. Interview in "Línea Abierta" in Radio Bilingüe, broadcast in all USA, 1 hour, Dec. 12, 2007, by Dr. Samuel Schmidt, [http://archivosderb.org/?q=es/audio/by/guest/jorge\\_l\\_pez](http://archivosderb.org/?q=es/audio/by/guest/jorge_l_pez).
17. Article "Physics mentoring on the Mexico-US Border", Minority Scientists Network of the American Association for the Advancement of Science, 6/2002, [http://sciencecareers.sciencemag.org/career\\_development/previous\\_issues/articles/1470/physics\\_mentoring\\_on\\_the\\_mexico\\_u\\_s\\_border](http://sciencecareers.sciencemag.org/career_development/previous_issues/articles/1470/physics_mentoring_on_the_mexico_u_s_border), or <http://nextwave.sciencemag.org/cgi/content/full/2002/04/11/13> or <http://physics.utep.edu/LopezLJ/AAAS/Next%20Wave%20--%20Lopez,%202002-04-12,%20UNITED%20STATES.htm>
18. Article "Tragedy does not stop nuclear physics seminar at UTEP", by Georgiana Vines for El Paso, Inc., El Paso, TX, 11/4-10/2001, featuring the IV Latin American Symposium on Nuclear Physics organized by J. A. Lopez in Mexico City.
19. Article "Nuclear Struggles", by Georgiana Vines for The News Sentinel, Knoxville, TN, October 16, 2001, featuring the benefits of the IV Latin American Symposium on Nuclear Physics organized by J. A. Lopez in Mexico City.
20. ½ hour interview, by Juarez TV show in Ch. 56, February, 2001.
21. Article "The New College Try", Time Magazine, January 8, 2001, featuring the innovating approach to teaching Science Methodology and Physical Science of S. Blake and J. Lopez, <http://www.time.com/time/education/article/0,8599,93264,00.html>
22. Mention in Article "Meet the Experts", NOVA, UTEP, Fall 2001, featuring experts on collaborations with Mexico.
23. Interview, by Channel 5 XECJ, on the January lunar eclipse, Jan. 2000.
24. Interview, by UTEP's NASA/NRST Team, presented by H. Shulte at the Atlanta NASA/NRST Conference, 9/2000.
25. Interview, by Radio Net 1490 AM, "Al filo de la ciencia", September, 2000.
26. Interview, by Hector Noriega, at Juarez radio show "Civilizaciones", FM 98.3, 12/5/1998. With Alfredo Aranda.
27. Interview, by an El Paso TV station (Channel 7), on my organization of the Meeting of the Texas Section of the American Physical Society at UTEP, Oct 15, 1998.
28. Interview, published in Hispanic Outlook in Higher Education, by Ines Alicea, New Jersey, Apr. 20, 1998.
29. Interview, published in UTEP's NOVA, by Walli Haley, Spring 1998.
30. Interview, published in Gaceta Universitaria, the newspaper of the Universidad Autónoma de Cd. Juárez, in "El Arte de Pensar e Investigar", Sept., 1998.
31. Interview, by a San Luis Potosí TV station, on my visit to Universidad Autonoma de San Luis Potosí to recruit Mexican students for our M.S. Physics Program., May 1998.
32. Interview, in "Faculty/Mentor Profiles" in UTEP's "Nova", UTEP News and Publications, Vol 34, No. 3; No. 133, 1998.
33. Interview, published in The Dallas Morning News in "Scientists strive to turn young Hispanics' eyes toward the sky", by Mercedes Olivera, Aug. 13, 1997.
34. Interview, published in El Paso Herald Post in "UTEP shows off hands-on learning", by Laurie Gallardo, 11/12/96.

## PRESENTATIONS

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1. "Fraude Electoral", General audience talk, Biblioteca "Roberto Cabral del Hoyo", Zacatecas, México, Mar 9, 2010.
2. Lopez, J. A., Book Presentation in Los Angeles, "Scientific studies of electoral data," Suplemento Comunitario KPFK 90.7 FM, Frente Amplio Progresista, 3471 w. 8th St, Los Angeles, CA (August 29, 2009).
3. Seminar, "Scientific studies of electoral data", presented to Juarez Rotary Club, Cd. Juarez, Sep. 2009.
4. Seminar, "Física y Arte", Club Rotario Cd. Juarez, Oct. 4, 2007.

5. Seminar, "Physics of Easter", presented to Heisenberg Club, Universidad de Colima, Colima, Mexico, 6/2/2006.
6. Seminar, "Einstein's Mistakes", presented to Heisenberg Club, Universidad de Colima, Colima, Mexico, 9/4/2005.
7. Seminar, "Science studies at UTEP", presented to Juarez Rotary Club, Cd. Juarez, Sep. 23, 2004.
8. Seminar, "UTEP's Very Small Array", presented to Heisenberg Club, Universidad de Colima, Mexico, 6/4/2004.
9. Seminar, "Física para Kinder", presented to Grupo Abel, ITESM-Cd. Juarez, April 12, 2003.
10. Seminar, "Problemas matemáticos", presented to Grupo Abel, Universidad Autónoma de Ciudad Juárez, 6/2/2001.
11. Seminar, "Física Nuclear en el año 2000", at the I Semana de Ciencia Y Tecnología, organized by Sociedad Mexicana para el Progreso de la Ciencia y la Tecnología, Universidad Autónoma de Ciudad Juárez, Mexico, Apr. 20-24, 1998.
12. "Radiación de Fondo", presentation at the VI Semana de Astronomía, organized by the Sociedad Astronómica de Cd. Juarez, at the Universidad Autónoma de Ciudad Juárez, Mar. 23-27, 1998, Juarez, Mexico.
13. "The Physics Circus", at the 50th Anniversary of Instituto Tecnológico de Durango, May 14, 1998, Durango, Mexico.
14. How Many Barbers are there in Juarez? discussion session presented to UACJ's Grupo Abel, UACJ, May, 1998.
15. "SOMPROCYT Week", organizer of a week-long presentations of science talks at Univ. Autónoma Cd. Juarez, April, 1998.
16. "Radiación de Fondo", presentation to Juarez's math club "Abel", at the Universidad Autónoma de Ciudad Juárez, Feb. 15, 1997, Juarez, Mexico.
17. "Mecánica Cuántica", presentation to middle school teachers from Chihuahua's Department of Education, UTEP, Dec. 6, 1997, Juarez, Mexico.
18. "Contact", after-movie discussion at Plaza Juárez Movie Theater, Oct. 25, 1997, co-organized by Sociedad Astronómica Juarense and Universidad Nacional Autónoma de México, Juarez, Mexico.
19. "Science Education and Research in Mexico", presented to UTEP's POLS 3437: "UG The Politics of Mexico", 12/2/ 1997.
20. Seminar to UTEP's Club Zero, Math. Department, April 5, 1996.
21. "Ondas Gravitacionales", presentation a la Sociedad Astronómica de Cd. Juarez, at the Universidad Autónoma de Ciudad Juárez, Dec. 20 1996, Juarez, Mexico.
22. Host of NASA's OSS Education Director, Dr. Jeffrey Rosendhal, April 25-26, 1996. Seminar presented by Dr. J. Rosendhal: "Scientists' Role in Education".
23. Organizer of book and journal donations to the University Autónoma de Ciudad Juárez, with the help of Dr. Jorge Gardea, the American Chemical Society and NMSU. 1995-1996.
24. Host of American Physical Society's Director of Education, Dr. Ramon Lopez, March 16, 1995. Seminar presented by Dr. R. Lopez: "NSF Systemic Reform".
25. "La Materia Oscura", general audience article published in Alfa Geminis, V, pp. 3-6, 1993, Cd. Juarez, Mexico.
26. "Physics Circus", presented at the 1993 SACNAS Conference, January 1993, Albuquerque, New Mexico.
27. "Energía Nuclear", presentation to high school students at the Instituto Tecnológico y de Estudios Superiores de Monterrey, Cd. Juarez Campus, May 1993.
28. "Nuclear Fragmentation", presented to the Sigma XI society, Nov. 17, 1992, UTEP.
29. "Nuclear Fragmentation", presented to Sociedad Astronómica Juarense, Nov. 14, 1992, Univ. Aut. de Cd. Juarez.
30. Seminar, "Nuclear Fragmentation", presented to the Sigma XI society, Nov. 17, 1992, UTEP.
31. Science Presentations, telescope observations, physics demonstrations, etc. Mostly to Eastwood Heights Elementary School, and other schools in the Socorro ISD.

## PUBLICATIONS

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### **Alfa-Geminis (Sociedad Astronómica Juarense)**

1. "Roswell: el final de un mito", Alfa Geminis, Jul-Aug 2010, [www.alfageminis.com.mx/ediciones/2010/Julio\\_2010.pdf](http://www.alfageminis.com.mx/ediciones/2010/Julio_2010.pdf)
2. "Comprando lunas", Alfa Geminis, May 2009. [http://www.alfageminis.com.mx/ediciones/2009/Mayo\\_2009.pdf](http://www.alfageminis.com.mx/ediciones/2009/Mayo_2009.pdf)
3. "Ondas Gravitacionales", Alfa Geminis, 2008.
4. "La Materia Oscura", Alfa Geminis, V, pp. 3-6, 1993.

### **La Jornada**

5. "Remojando las barbas del Conacyt", 8/14/2000, La Jornada  
<http://serpiente.dgsca.unam.mx/jornada/2000/ago00/000814/cien-cara.html>
6. "G. Bruno, Mártir de la ignorancia", 3/13/2000, La Jornada  
<http://serpiente.dgsca.unam.mx/jornada/2000/mar00/000313/cien-cara.html>
7. "2000 Año Bisisesto", La Jornada 2/14/2000, <http://serpiente.dgsca.unam.mx/jornada/2000/feb00/000214/cien-cara.html>

## **El Reto**

8. "Roswell: El final de un mito", "El Reto", May 2010,
9. "Los errores de Einstein", "El Reto", No. 308, Oct. 21-27, 2005.
10. "Ovnis y yo", "El Reto", 2/3/2000
11. "Comprando lunas", "El Reto", 1/22/2000
12. "Física aplicada en Colombia", "El Reto", 9/23/99
13. "Dios: lo que dice la ciencia", "El Reto", 9/16/99
14. "¿Y la ciencia en Juárez?", "El Reto", 9/9/99
15. "Perturbando el Universo", "El Reto", 9/2/99

## **El Diario (Mexican newspaper)**

16. "La Nueva Física", published in "El Diario", 4/7/99
17. "El Circo de Física", published in "El Diario", 4/22/99
18. "La Nanofísica", published in "El Diario", 3/23/99
19. "Teletransportación", published in "El Diario", 3/6/99

## **Other publications**

20. Article "Physics mentoring on the Mexico-US Border", Minority Scientists Network of the American Association for the Advancement of Science, 6/ 2002,  
[http://sciencecareers.sciencemag.org/career\\_development/previous\\_issues/articles/1470/physics\\_mentoring\\_on\\_the\\_mexico\\_us\\_border](http://sciencecareers.sciencemag.org/career_development/previous_issues/articles/1470/physics_mentoring_on_the_mexico_us_border), or <http://nextwave.sciencemag.org/cgi/content/full/2002/04/11/13> or <http://physics.utep.edu/LopezLJ/AAAS/Next%20Wave%20-%20Lopez.%202002-04-12.%20UNITED%20STATES.htm>
21. Article "The New College Try", Time Magazine, January 8, 2001, featuring the innovating approach to teaching Science Methodology and Physical Science of S. Blake and J. Lopez, [www.time.com/time/education/article/ 0,8599,93264,00.html](http://www.time.com/time/education/article/0,8599,93264,00.html)
22. Editor of "El Paso Physics Teacher" the newsletter of the Greater El Paso Physics Teachers Association. Published quarterly from 1/95 to 5/98.
23. Editor of "The Hispanic Physicist", monthly newsletter, National Society of Hispanic Physicists, since 5/97 to date.
24. "Implementing the Office of Space Science Education/Public Outreach Strategy", published by NASA's OSS-Space Science Advisory Committee Education/Public Outreach Task Force, Oct. 15, 1996.
25. Editor of "El Paso Physics Teacher" the newsletter of the Greater El Paso Physics Teachers Association. Published quarterly from 1/95 to 5/96.
26. Editor of COM's newsletter "COM...munications", published by APS, from 1/94 to 12/94.
27. Editor of "Tlaxihuicatl", a physics newsletter published each semester with funds of NASA's Physics Centers Programs. From 9/94 to 6/97.
28. "Northeast Chapter of the Society for the Advancement of Chicanos and Native Americans in Science Formed", published in the September 1993 issue of "C.O.M...UNICATIONS", the newsletter of APS' Committee on Minorities.
29. "Leading Latinos to Physics", September 1992 issue of "C.O.M...UNICATIONS", the newsletter of the Committee on Minorities of the American Physical Society, 1992.
30. "Leading Hispanics to Science Can Be a Science in Itself", published in the section "Voices" of Vista, the weekly supplement to major US newspapers, December 25, 1990.
31. J.A. Lopez and V. Martinez, "Cuando Explotan las Estrellas", La Vanguardia, March 1988, Barcelona, Spain.
32. J.A. Lopez and V. Martinez, "Hivern Nuclear", (in Catalan), El Temps, August, 1987, Valencia, Spain.
33. J.A. Lopez and V. Martinez, "¿Qué pasó en Chernobyl?", El Universal, April, 1987, Juárez, Mexico,.
34. J.A. Lopez and E. Martinez-Gonzalez, "Una Visita al Museo Cosmico", El Pais, March 1986, Madrid, Spain.

## **OUTREACH ACTIVITIES**

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1. "Nuclear Energy ", presentation to 6<sup>th</sup> graders, Ysleta I.S.D., El Paso, TX, Oct. 14, 2009.
2. "Physics Circus", presentation at the 2009 Science Fair, Balboa Park, San Diego, CA, Apr. 4, 2009.
3. Recruiting trip, University Autónoma de Baja California, Ensenada, Baja California, Mexico, Nov. 24-26, 2008.
4. Recruiting trip, University Autónoma de Sinaloa, Culiacán, Sinaloa, Mexico, May. 20-22, 2007.
5. Organizer of "Ciencia de frontera", a series of 11 weekly talks for high school student from Ciudad Juárez, Mexico, at the Universidad Autónoma de Cd. Juárez, from February to May 2006.
6. Recruiting trip, University Autónoma de Baja California, Ensenada, Baja California, Mexico, Nov. 23-25, 2005.
7. Attendant to "Conacyt Science Fair ", Mexico City, Mar. 4-7, 2005.

8. Attendant to "Conacyt Science Fair", Mexico City, Mar. 5-7, 2004.
9. Recruiting trip, University of Sonora, Hermosillo, Sonora, Mexico, Nov. 24-25, 2004.
10. Organizer of "Ciencia de frontera", a series of 17 weekly talks for high school student from Ciudad Juarez, Mexico, at the Universidad Autónoma de Cd. Juárez, from September to December, 2004.
11. Seminar: "Physics of Halloween", delivered to 220 high school students at the series of talks "Ciencia de frontera", Universidad Autónoma de Ciudad Juárez, 11/1/2003.
12. The Physics Circus", presented to the faculty and students of the Universidad Autónoma de Cd. Juárez, with C.H. Cooper, at the "Semana de Ingeniería 2003", 9/10/2003.
13. Organizer of "Ciencia de frontera", a series of 17 weekly talks for high school student from Ciudad Juarez, Mexico, at the Universidad Autónoma de Cd. Juárez, from August to December, 2003.
14. Seminar: "Halloween", delivered to 220 high school students at the series of talks "Ciencia de frontera", Universidad Autónoma de Ciudad Juárez, 11/1/2003.
15. "The Physics Circus", Univ. Autónoma de Cd. Juárez, at the "Semana de Ingeniería 2003", 9/10/2003.
16. Workshop: The Physics Circus", Univ. Autónoma de Cd. Juárez, at the "Semana de Ingeniería 2003", 9/11/2003.
17. Attendant to "Conacyt Science Fair", Mexico City and Guadalajara, Mexico, May 8-13, 2002.
18. Visit to five "preparatorias" in Juarez City, May, 2002.
19. Visit, to Universidad Autonoma de Colima, in Colima, Mexico, to promote our M.S. Physics program, with Dr. Tom Brady, November 17-20, 2003.
20. Attendant to "Conacyt Science Fair", Mexico City, Sept. 9-12, 2001.
21. Recruiting Trip to Mexico, a 2-week trip to 11 Mexican institutions in 8 cities, May-Jun. 2000.
22. Visit to four preparatorias in Juarez City, May, 2000.
23. Recruiting Trip to Mexico, a 2-week trip to 11 Mexican institutions in 8 cities.
24. Recruiting Trip to Mexico, a 2-week trip to 11 Mexican institutions in 8 cities, May 1998.
25. Science Presentations. Many school visits for telescope observations, physics demonstrations, etc. Mostly to Eastwood Heights Elementary School, and other schools in the Ysleta and Socorro ISD. 1997-1999
26. Group Visit of High School Students and Teachers, Accelerator Facility, U. North Texas, 5/1-3/1997, Denton, TX.
27. Visit to Minority Students in Moorehead, Minnesota, Mar. 27-29, 1995.
28. Advisor of High School student Adriana Gallegos, UTEP's LIFT-OFF program, summer 1995.
29. Visit to two preparatorias in Juarez City, May, 1995.
30. "Physics Circus", 1993 SACNAS Annual Conference, Albuquerque, 1-14 to 1-18, 1993.
31. "Fisica en UTEP", Universidad Autonoma de Nuevo Leon, May 20, 1993, Monterrey, Mexico.
32. Visit to two preparatorias in Juarez City, May, 1993.
33. "Recruiting Seminar", Universidad Nacional Autonoma de Mexico, May 26, 1992.

### **SPS Activities**

34. Lunch seminar by Ben Zeidman, Argonne Nat. Lab., 10/1996.
35. Lunch seminar by Richard Gomez, US Army Corp of Eng., 10/96.
36. Student Seminars by Sergio Chaparro, Mike McKay and Ken Pane, 5/1996.
37. Tutoring for 4210, 4211 and 3325, Spring 1996.

### **NASA Physics Centers Activities**

38. Supervision of six Physics Centers in Socorro, Andress, Jefferson, Del Valle, El Paso and Fabens high schools.
39. Physics Newspaper.
40. Presentation by NMSU's Reta Beebe, November, 96.
41. Presentation at UTEP of Nobel Laureate Leon Lederman, May, 1996.
42. Presentation at UTEP of Jet Propulsion Lab's Sami Asmar, October, 1996.
43. Physics Open House, October 23, 1996. With 250 hot dogs cooked!
44. Viewing of lunar eclipse, Del Valle High School, 9/26/96.
45. Presentation at UTEP of CalTech's Kip Thorne, April 25, 1995.
46. Physics Open House, April 25, 1995.
47. Telescope night at five high schools, 9/95.
48. Creation of six Physics Centers in Socorro, Andress, Jefferson, Del Valle, El Paso and Fabens high schools. Centers are responsible for physics tutoring, etc. Fall 94.
49. Presentation at UTEP, Andress and Jefferson H.S. by Ginger Kerrick, NASA Johnson Space Center, 1-23-94.
50. Telescope night at five high schools, 9/94.

### **Society of Physics Students Activities**

51. Lunch seminar by Ben Zeidman, Argonne Nat. Lab., 9/1995.
52. Student Seminars by Raul Armendariz, Jaime Morales and Richard Coronado, Fall 1995.
53. Tutoring for 4210, 4211 and 3325, Fall 1995.
54. Student Seminars by Alfredo Aranda, Tim Robinson and Zehua Wu, Spring 1994.
55. Tutoring for 4210, 4211 and 3325, Fall 1994.
56. Creation of a library. Fall 1994.
57. Lunch presentation by Ben Zeidman, Argonne National Lab., 9-14-94
58. Lunch presentation by Warren Buck, Hampton University, 9-21-94
59. Lunch presentation by Jolie Cizewski, Rutgers University, 9-29-94
60. Student Talks by Gildardo Rivas, Mario Borunda, and Alfredo Aranda, 3-3-94.
61. Trip to McDonald Observatory, 11-94.

### **"The Physics Link" Activities**

62. Presentation by Reta Beebe, 5-9-94.
63. Observation of Solar Eclipse (over 2000 participants), 5-10-94.
64. Pin-Hole Camera Contest, 5-13-94.
65. Summer Research Program (12 participants), June 1993.
66. Hot-Air Balloon Contest, 11-20-94
67. Presentation by Robert Liefeld, 11-20-94.
68. Presentation by Robert Liefeld, 4-14-93.
69. Hot-Air Balloon contest, 5-13-93.
70. Summer Research Program, (24 participants), June 1993.
71. Field Trip to White Sands Missile Range, 6-26-93
72. Presentation by Reta Beebe, 10-28-93.
73. Observation of Lunar Eclipse, 11-28-93.
74. Photo Contest of Lunar Eclipse, 12-1-93.