Germination tests were conducted on Arachis spp. seeds stored for varying lengths of time, ranging from twelve to 36 years. Previous tests had indicated that after 30 years many of the seeds had reached the maximum storage time. However, seeds from some of those same lots which produced zero germination at 30 years did actually germinate at 36 years, so not all seeds were dead six years ago. The most viable of the seed lots came from the Arachis section, and the least viable were members of the Erectoides section. This is the same result we have had in previous germination studies on these lots and other lots of the same groups but not necessarily the same species. The species tested included:

- A. duranensis (3 accessions)
- A. correntina (4)
- A. villosa (1)
- A. stenosperma (1)
- A. kuhlmannii (1)
- A. monticola (1)
- A. hypogaea (2)
- A. batizocoi (1)
- A. paragauriensis (2)
- A. dardani (2)
- A. rigonii (1)
- A. triseminata (1)

The sections represented were: Arachis (14 accessions), Erectoides (2), Heteranthae (2), Procumbentes (1), and Triseminatae (1). The overall average germination for the sections was:

- Arachis – 28.7, with a range from 0 to 70%
- Erectoides – 18.6, with a range from 4.5 to 60%
- Heteranthae 21.5 with a range from 14.9 to 20%
- Procumbentes – 66.2% and Triseminatae 21%

In section Arachis, A. duranensis has survived the best at 62.6%, and large seeded A. hypogaea has done very poorly at 0% survival. The “old” A. monticola which is highly introgressed with A. hypogaea was only slightly better than A. hypogaea at 1.3% (one seed of 74 germinated and made a plant). Arachis correntina has not survived well for the 36 years, with an average over four accessions of 2.2% (6 plants from 276 seed), and one accession had no germination of 49 seed. Arachis batizocoi was the only B genome species known in 1973 and it had 14 of 53 seed still viable; 26.4%. Conclusions from study of our long term storage of Arachis seed include: some species will store for extended times well beyond 25 years; other species will not store beyond the 20 to 25 year range. It appears that the large seeded A. hypogaea are among the lowest survivors beyond 25 years. In separate tests, some accessions of A. hypogaea fastigiata vulgaris (Spanish) germinated above 95% when stored past the 30 year time frame.