- Fixed alignment problem in 'ppr.f' on Irix. (PR#1002, 1026)

- `glm()` failed on null binomial models. (PR#1216)

- `La.svd()` with 'nu' = 0 or 'nv' = 0 could fail as the matrix passed to DGESVD was not of dimension at least one (it was a vector).

- Rownames in 'xcoef' and 'ycoef' of `cancor()` were wrong if 'x' or 'y' was rank-deficient.

- `lqs()` could give warnings if there was an exact fit. (PR#1184)

- `aov()` didn't find free-floating variables for `Error()` terms when called from inside another function.

- `write.table()` failed if asked to quote a numerical matrix with no row names. (PR#1219)

- `rlnorm( *, *, sd=0)` now returns the mean, `rnbinom(*, *, prob=1)` gives 0, (PR#1218).

Changes in R 1.4.1

by the R Core Team

Bug fixes

- `scan(multi.line = FALSE)` now always gives an immediate error message if a line is incomplete. (As requested in PR#1210)

- `read.table()` is no longer very slow in processing comments: moved to C code and fewer lines checked.

- `type.convert()` could give stack imbalance warnings if used with 'as.is = TRUE'.

- `predict.mlm` ignored newdata (PR#1226) and also offsets.

- `demo(tkttest)` was inadvertently changed in 1.4.0 so that it would evaluate the requested test, but not display the result.

- `stars(scale = TRUE)` (the default) now works as documented (and as S does). Previously it only scaled the maximum to 1. (PR#1230)

- `d0 <- data.frame(a = 0); data.matrix(d0[0, 0])` and `data.matrix(d0[, 0])` now work.

- `plot(multiple time series, plot.type = "single")` was computing 'ylim' from the first series only.

- `plot.acf()` has a new 'xpd = par("xpd")' argument which by default *does* clipping (of the horizontal lines) as desired ('xpd' = NA was used before, erroneously in most cases).

- `predict(smooth.spline(.), deriv = 1)` now works.

- `identify()` failed when x is a structure/matrix. (PR#1238)

- `getMethod()` returns NULL when 'optional=TRUE' as promised in the documentation.

- `setMethod()` allows ... to be one of the arguments omitted in the method definition (but so far no check for ... being missing)

- Allow `round()` to work again on very large numbers (introduced in fixing PR#1138). (PR#1254)

- 'Rinternals.h' is now accepted by a C++ compiler.

- `type.convert()` was failing to detect integer overflow.

- `piechart()` was defaulting to foreground colour (black) fills rather than background (as used in 1.3.1 and earlier). Now background is used, but be aware that as from 1.4.0 this may be transparent.

- `La.eigen(*, only.values=TRUE)` does not segfault anymore in one branch (PR#1262).

- `cut()` now produces correct default labels even when 'include.lowest = TRUE' (PR#1263).

- `reformulate()` works properly with a response.

- `cmdscale(*, k = 1)` now works properly.

- Options 'by = "month"' and 'by = "year"' to `seq.POSIXt()` will always take account of changes to/from daylight savings time: this was not working on some platforms.

- `glm.fit.null()` now accepts all the arguments of `glm.fit()` (it could be called from `glm.fit` with arguments it did not accept), and is now documented.

- `cov.wt(cbind(1), cor = TRUE)` now works.

- `predict(glm.object, se.fit = TRUE)` was failing if the fit involved an offset.

- `detach()` on '"package:base"' would crash R. (PR#1271)

- `print` or `summary` on a `manova()` object with no terms, no names on the response and 'intercept = FALSE' (which is not sensible) would give an error.

- `seek()` on file connections was ignoring the 'origin' argument.

- Fixed new environment handling in `library()` to avoid forcing promises created by `delay()`.

- `arima0()` could leak memory: now released via `on.exit()`.

- `qr.coef(qr,*)` now keeps the names of `qr$qr`.

- `read.00Index()` no longer fails on data indexes not generated by `Rdindex` (PR#1274).

Changes on CRAN

by Kurt Hornik and Friedrich Leisch

CRAN packages

The following extension packages from 'src/contrib' were added since the last newsletter.

Bhat Functions for MLE, MCMC, CIs (originally in Fortran). By E. Georg Luebeck.

CircStats Circular Statistics, from 'Topics in circular Statistics' by S. Rao Jammalamadaka and A. SenGupta, World Scientific (2001). S original by Ulric Lund, R port by Claudio Agostinelli.

ROracle Oracle Database Interface driver for R. Uses the ProC/C++ embedded SQL. By David A. James and Jake Luciani.

RQuantLib The RQuantLib packages provides access to (some) of the QuantLib functions from within R. It is currently limited to some Option pricing and analysis functions. The QuantLib project aims to provide a comprehensive software framework for quantitative finance. The goal is to provide a standard free/open source library to quantitative analysts and developers for modeling, trading, and risk management of financial assets. By Dirk Eddelbuettel for the R interface, and the QuantLib group for QuantLib (http://www.quantlib.org/html/group.html).

RSQLite Database Interface R driver for SQLite. Embeds the SQLite database engine in R. By David A. James.

RadioSonde RadioSonde is a collection of programs for reading and plotting SKEW-T,log p diagrams and wind profiles for data collected by radiosondes (the typical weather balloon-borne instrument). By Tim Hoar, Eric Gilleland, and Doug Nychka.

agce Contains some simple functions for the analysis of growth curve experiments. By Raphael Gottardo.

aws Contains R functions to perform the adaptive weights smoothing (AWS) procedure described in Polzehl und Spokoiny (2000), Adaptive weights smoothing with applications to image restoration, *Journal of the Royal Statistical Society*, Ser. B, 62, 2, 335–354. By Joerg Polzehl.

combinat Routines for combinatorics. By Scott Chasalow.

deldir Calculates the Delaunay triangulation and the Dirichlet or Voronoi tesselation (with respect to the entire plane) of a planar point set. By Rolf Turner.

dr Functions, methods, and datasets for fitting dimension reduction regression, including pHd and inverse regression methods SIR and SAVE. These methods are described, for example, in R. D. Cook (1998), Regression Graphics, Wiley, New York. Also included is code for computing permutation tests of dimension. By Sanford Weisberg.

emplik empirical likelihood ratio for means, quantiles, and hazards from possibly right censored data. By Mai Zhou and Art Owen.

evd Extends simulation, distribution, quantile and density functions to univariate, bivariate and (for simulation) multivariate parametric extreme value distributions, and provides fitting functions which calculate maximum likelihood estimates for univariate and bivariate models. By Alec Stephenson.

g.data Create and maintain delayed-data packages (DDP's). Data stored in a DDP are available on demand, but do not take up memory until requested. You attach a DDP with `g.data.attach()`, then read from it and assign to it in a manner similar to S-Plus, except that you must run `g.data.save()` to actually commit to disk. By David Brahm.