

RUST FUNGI (UREDINALES) OF NORTHWEST ARGENTINA

José R. Hernández

*Systematic Botany and Mycology Laboratory
USDA/ARS, Rm. 304, B011A
Beltsville, MD 20705-2350, U.S.A.*

Joe F. Hennen

*Botanical Research Institute of Texas
509 Pecan Street
Fort Worth, TX 76102-4060, U.S.A*

ABSTRACT

This paper presents the results of a study of rust fungi (Uredinales) on wild and cultivated plants in the provinces of Catamarca, Jujuy, Salta and Tucumán that belong to the region known as Northwest Argentina. The rust fungi are represented by 635 collections on 257 host plant species belonging to 51 vascular plant families. These rusts constitute 182 species in 30 genera of which 61 are new records for Argentina and 10 are new species of rusts. Eighty-four of the collections represent new host records for Argentina, and 50 of these are new host records for rusts. Specimens have been deposited in either Fundación Miguel Lillo (LIL) or the U.S. National Fungus Collection (BPI).

RESUMEN

En el presente trabajo se presentan los resultados de la prospección de royas (Uredinales) realizada sobre la flora silvestre y cultivada de las Provincias de Catamarca, Jujuy, Salta, y Tucumán, pertenecientes a la región conocida como Noroeste Argentino. Como resultado de este trabajo se elaboraron 635 colecciones correspondientes a 51 familias de hospedantes (257 especies). Ochenta y cuatro de estas colecciones son nuevos hospedantes para Argentina, de las cuales 50 son nuevas citas como hospedantes para royas. Se identificaron 30 géneros y 182 especies de royas, de las cuales 61 son nuevos registros para el país y 10 nuevas especies. Las colecciones fueron depositadas en Fundación Miguel Lillo (LIL) y U.S. National Fungus Collection (BPI).

The fungi of Argentina have been studied by a number of mycologists, most notably Carlos Luigi Spegazzini (1858–1926) whose taxa were compiled into a comprehensive account by Farr (1973). Spegazzini's collections of rust fungi (Uredinales) as well as collections made by later mycologists were organized and studied by Lindquist (1982). Lindquist's studies resulted in numerous publications on rust fungi, culminating in his "Royas de la República Argentina y Zonas Limítrofes" (Lindquist 1982). Although the fungi of Argentina are relatively well known, the rust fungi of Northwest Argentina are less well studied because few mycologists collected rusts in that region.

In this paper we present a study of rust fungi collected on wild and cultivated plants in the provinces of Catamarca, Jujuy, Salta and Tucumán in Northwest Argentina. This subtropical region is characterized by climatic and biological diversity and consists of a plain in the east and the Cordillera de los Andes in the west where valleys closely alternate with mountains. The gradations in latitude and altitude in Northwest Argentina result in a mosaic of bioecosystems with vegetation types varying from desert to rain forest. The diversity of flora is reflected in the range of phytogeographical regions described

for this area by Cabrera (1994). For these reasons, Northwest Argentina is an interesting and rich area for collecting rust fungi.

Lindquist (1982) documented 450 species representing 28 genera of rust fungi from throughout Argentina of which 124 species were reported from Northwest Argentina. Between 1993 and 1999 the authors collected and identified or re-examined 635 specimens of rust fungi representing 182 species in 30 genera. These rust specimens were collected on 257 host plant species from 51 plant families. Eighty-four of these host plants are new host records for Argentina, and 50 of these are new host records for rusts worldwide. Sixty-one rust species are reported for the first time from Argentina and 10 of these are new species. One of those, *Baeodromus ranunculi* J.R. Hern. & J.F. Hennen, has been described (Hernández 2000) and the remainder will be described elsewhere.

RESULTS

The rust species reported here are presented according to host family. This is the most useful form of organization because of the high level of host specificity of the rust fungi. Collections for each rust species are then listed alphabetically by host species followed by the province, details of locality, date, collector(s) and collector's number, herbarium number and rust stage present. For the rust stages symbols are used as follows: 0 = spermogonial stage, I = aecial stage, II = uredinial stage, and III = telial stage. The abbreviation "An" refers to the presence of an anamorph stage for which we are uncertain whether it is functionally an aecial or uredinial stage. Symbols representing spore types are X = amphispores, M = mesospores, and IV = basidiospores.

New rust records are indicated in superscript following the species name as follows: new rust species (N), new rust record for Argentina (A), Catamarca (C), Jujuy (J), Salta (S), and Tucumán (T). Superscript notations following host names indicate: new host plant genus for this rust worldwide (G), new host plant species for this rust worldwide (S), new host plant species for any rust in Argentina (A), and new host plant species for which another rust was previously known from Argentina (AR).

Abbreviations of authorities for plant host and fungal names follow Brummit and Powell (1992) and Kirk and Ansell (1992) respectively. Plant host names were verified using W3TROPICOS at the Missouri Botanical Garden.

ACANTHACEAE

Accidium sp.^N

on *Dyschoriste* sp.^G; **Salta:** Quebrada de San Lorenzo, 6 Dec 1997, J.R.Hernández 97-162 (BPI 841258) [I]. **Tucumán:** 22 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-019 (LIL 54702, BPI 840996) [I].

Puccinia justiciae Puttemans

on *Chaetothylax umbrosus* Nees^G; **Tucumán:** San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-069 (LIL 54706, BPI 841031) [II].

Puccinia lateripes Berk. & Ravenel^A

on *Ruellia ciliatiflora* Hook.^S; **Tucumán:** Dept. Trancas, Vipos, 30 Mar 1995, J.R.Hernández 95-043 (BPI 841086) [II-III].

III]; Las Salas, 5 May 1995, J.R.Hernández 95-015 (BPI 841079) [I-II-III]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-150 (LIL 54704, BPI) [II-III]; San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-071 (LIL 54703, BPI) [0].

Puccinia sp.

on *Ruellia erythropus* (Nees) Lindau⁺; **Catamarca:** E of La Viña, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-061 (BPI 841197) [II].

Puccinia thunbergiae Cooke^A

on *Justicia* sp.; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-144 (LIL 54705, BPI 841067) [II-III].

Uromyces sp.^A

on undtn.; **Jujuy:** Palma Sola, 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-127 (LIL 54707, BPI 841056) [III].

AMARANTHACEAE

Uromyces bonaerensis Speg.

on *Gomphrena elegans* Mart.; **Tucumán:** Cruz Alta, 28 Jul 1913, leg. ? [II].

Uromyces celosiae Dietel & Holw.^A

on *Chamissoa altissima* (Jacq.) Kunth⁺; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-165 (LIL 54708, BPI 841074) [II].

Uromyces iresines Lagerh. ex Syd. & P. Syd.^A

on *Iresine diffusa* Humb. & Bonpl. ex Willd. var. *diffusa*⁺; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-140 (LIL 54709, BPI 841064) [III].

ANNONACEAE

Phakopsora neocherimoliae (Cummins) Buriticá & J.F. Hennen^A

on *Annona cherimolia* Mill.; **Tucumán:** Dept. Capital, 15 Sep 1995, J.R.Hernández 95-088 (BPI 841111) [II]; Dept. Famailla, Sauce Huascho, 23 Apr 1993, N.E.V.de Ramallo s.n. (BPI) [II].

APIACEAE

Puccinia hydrocotyles Cooke^{C,S}

on *Hydrocotyle bonariensis* Comm. ex Lam.^A; **Buenos Aires:** La Plata, 29 Sep 1997, J.F.Hennen & J.R.Hernández 97-072 (BPI) [II]. **Catamarca:** N of Catamarca, Hwy. 38,

24 Sep 1997, J.F.Hennen & J.R.Hernández 97-054 (BPI) [II]; road to El Rodeo, camping area, 29 Nov 1997, J.R.Hernández 97-117 (BPI) [II]; W of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-043 (BPI) [II]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-035 (BPI 841184) [II]. **Salta:** Dept. Santa Victoria, La Misi6n, 30 Jun 1996, J.R.Hernández 96-059 (BPI) [II]. **Tucumán:** Lules, Aug 1994, J.R.Hernández 94-149 (LIL 54943, BPI) [II].

on *Hydrocotyle* sp.; **Catamarca:** El Rodeo, 29 Nov 1997, J.R.Hernández 97-121 (BPI) [II]. **Tucumán:** Amberes, 5 May 1989, L.D.Ploper & G.Würschmidt s.n. (BPI) [II]; Dept. Trancas, Rt. 9, km 1364, 26 Oct 1995, J.R.Hernández 95-052 (BPI) [II]; San Javier, Parque Sierras de San Javier, La Cascada., 29 Mar 1996, J.R.Hernández 96-014 (BPI 841122) [II-III].

ASCLEPIADACEAE

Puccinia sp.

on *Morrenia variegata* (Griseb.) T. Mey.; **Tucumán:** Alta Gracia, 19 Nov 1997, J.R.Hernández 97-092 (BPI 841213) [0].

ASTERACEAE

Accidium ampliatus H.S. Jacks. & Holw.

on *Eupatorium lasiophthalmum* Griseb.; **Catamarca:** near Balcozna, 28 Nov 1997, J.R.Hernández 97-113 (BPI 841226) [0-I]. **Tucumán:** J.B. Alberdi, road to Escaba, bank of creek, 28 Nov 1997, J.R.Hernández 97-103 (BPI 841221) [0-I].

Accidium niederleinii Henn.^{CJS,T}

on *Conyza* sp.; **Catamarca:** Dept. Ambatos, El Rodeo, 14 Nov 1999, J.R.Hernández 99-007 (BPI 841276) [0-I]. **Salta:** Dept. Güemes, La Calderilla, 7 Dec 1997, J.R.Hernández 97-167 (BPI) [I]. **Tucumán:** Alta Gracia, 19 Nov 1997, J.R.Hernández 97-0932 (BPI 841215) [0-I]; Alta Gracia, 19 Nov 1997, J.R.Hernández 97-087 (BPI) [0-I]; El Siambón, river next to monastery, 3 Nov 1997, J.R.Hernández 97-145 (BPI 841243) [0-I].

Accidium sp.

on *Senecio creameiflorus* Mattf.; **Catamarca:** Rio Las Juntas, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-051 (BPI 841192) [I].

Cionothrix praelonga (G. Winter) Arthur^A

- on *Eupatorium* sp.^{AR}; **Salta**: Dept. Santa Victoria, Los Toldos, El Nogalal, 29 Jun 1996, J.R.Hernández 96-040 (BPI 841135) [III].
Tucumán: San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-033 (LIL 54734, BPI) [III]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-035 (LIL 54735, BPI) [III].

Coleosporium tussilaginis (Pers.) Lév.

- on *Senecio bravensis* Cabrera^S; **Buenos Aires**: Partido de Gral. Pueyrredon, 2 Nov 1944, A.L. Cabrera s.n. [II].
 on *Senecio cremeiflorus* Mattf.^S; **Catamarca**: Dept. Ambatos, El Rodeo, 14 Nov 1999, J.R.Hernández 99-004 (BPI 841273) [III]; N of Catamarca, Hwy. 38, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-055 (BPI 841194) [III].
 on *Senecio deferens* Griseb.; **Tucumán**: Sierras de San Javier, 17 Nov 1949, Singer & Digilio s.n. [II].
 on *Senecio otopterus* Griseb.^S; **Catamarca**: El Rodeo, 29 Nov 1997, J.R.Hernández 97-126 (BPI 841231) [III].
 on *Senecio rudbeckiifolius* Meyen & Walp.; **Tucumán**: Tafi del Valle, 6 Apr 1995, J.R.Hernández 95-077 (BPI) [III]; Tafi del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-120 (LIL 54736, BPI) [III].
 on *Senecio* sp.; **Salta**: road to Parque del Rey, 6 Dec 1997, J.R.Hernández 97-158 (BPI 841254) [III].

Coleosporium vernoniae Berk. & M.A. Curtis^A

- on *Elephantopus mollis* Kunth^{AR}; **Tucumán**: San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-029 (LIL 54737, BPI) [III]; San Miguel de Tucumán, 20 Jun 1994, J.R.Hernández 94-168 (BPI 841075) [II].

Puccinia baccharidis Dietel & Holw.^{CS}

- on *Baccharis lilloi* Heering^{AR}; **Salta**: Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-111 (LIL 54754, BPI 841046) [I-II-III].
 on *Baccharis salicifolia* (Ruiz & Pav.) Pers.; **Catamarca**: Balcozna, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-023 (BPI

[I-III]; N of Catamarca, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-019 (BPI 841173) [II]; road to El Rodeo, camping area, 29 Nov 1997, J.R.Hernández 97-120 (BPI 841228) [II-III]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-028 (BPI 841178) [I-II].

Puccinia calcitrapae DC. var. **centaureae** (DC.) Cummins^A

- on *Carthamus tinctorius* L.^A; **Salta**: Dept. Tartagal, General Ballivián, 25 Sep 1997, A.C.Ramallo s.n. (BPI 841201) [II-III].

Puccinia cnici-oleracei Pers.^A

- on *Vernonia remotiflora* Rich.^S; **Tucumán**: Dept. Trancas, Rio de la Cuesta, elev. 1700 m, 19 Apr 1926, S.Venturi 4138 [III].
 on *Vernonia saltensis* Hieron.^S; **Salta**: Metán, 1 Jun 1933, A.L.Cabrera 3024 [III].

Puccinia colossea Speg.^T

- on *Baccharis latifolia* Lem.^S; **Tucumán**: Tafi del Valle, 6 May 1995, J.R.Hernández 95-078 (BPI 841106) [III]; Tafi del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-123 (LIL 54738, BPI 841019) [III].

Puccinia conoclinii Szym. in Burrill^S

- on *Eupatorium macrocephalum* Less.^{AR}; **Tucumán**: 9 km NW of Concepción de la Sierra, 11 Mar 1969, A. Krapovickas et al. s.n. [II]; Dept. Burruyacú, Cerro del Campo, elev. 1500 m, 29 Mar 1930, S.Venturi s.n. [II].

- on *Eupatorium* sp.; **Salta**: Dept. Rosario de la Frontera, Horcones, 6 Dec 1997, J.R.Hernández 97-154 (BPI 841251) [II].
Tucumán: Cevil Pozo, 12-15 km E of San Miguel de Tucumán, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-055 (LIL 54761, BPI 841003) [II].

Puccinia enceliae Dietel & Holw. var. **aemulans** (Syd. & P. Syd.) Parmelee^S

- on *Simsia dombeyana* DC.^S; **Salta**: Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-112 (LIL 54740, BPI 841047) [II-III].

Puccinia eupatorii DietelST

- on *Eupatorium* sp.; **Salta**: Cafayate, 8 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-101 (LIL 54742, BPI 841042) [II-III]. **Tucumán**: Dept. Trancas, Vipos, 30 Mar 1995, J.R.Hernández 95-048

- (BPI 841089) [II-III]; San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-053 (LIL 54741, BPI) [III].
- Puccinia exornata** Arthur^A
on *Baccharis* sp. (A)^{AR}; **Salta**: Quebrada de San Lorenzo, 6 Dec 1997, J.R.Hernández 97-163 (BPI 841259) [I-II-III].
on *Baccharis* sp. (B)^{AR}; **Catamarca**: naer Balcozna, 28 Nov 1997, J.R.Hernández 97-112 (BPI 841225) [II].
- Puccinia helianthi** Schwein.^T
on *Helianthus annuus* L.; **Tucumán**: Dept. Capital, 17 Dec 1995, J.R.Hernández 95-095 (BPI) [II]; Horco Molle, Parque Sierras de San Javier, 29 Mar 1996, J.R.Hernández 96-024 (BPI 841129) [II-III]; Monte Redondo, 24 Apr 1996, J.R.Hernández 96-081 (BPI 841152) [II-III].
- Puccinia hieracii** (Röhl.) H. Mart.
on *Taraxacum officinale* Weber; **Catamarca**: Dept. Ambatos, El Rodeo, 14 Nov 1999, J.R.Hernández 99-003 (BPI 841272) [II].
- Puccinia investita** Schwein.^S
on *Achyrocline* sp.; **Salta**: Dept. Santa Victoria, La Misión, 30 Jun 1996, J.R.Hernández 96-052 (BPI 841140) [II].
- Puccinia lilloana** J.C. Lindq.^T
on *Baccharis lilloi* Heering; **Tucumán**: Tafí, 16 Apr 1904, leg. ? [III].
- Puccinia lorentzii** Henn.^{JT}
on *Vernonia scorpioides* (Lam.) Pers.; **Jujuy**: Quinta prop. Laguna de la Brea, 31 May 1901, R.E.Frias s.n. [II]. **Tucumán**: Horco Molle, 17 Sep 1997, J.R.Hernández 97-075 (BPI 841205) [II].
- Puccinia noccae** Arthur^T
on *Lagascea mollis* Cav.; **Tucumán**: Cruz Alta, San Agustín, 29 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-039 (BPI) [II-III]; Dept. Cruz Alta, San Agustín, Monte Redondo, 29 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-025 (LIL 54743, BPI) [II-III]; San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-070 (LIL 54744, BPI 841032) [II-III].
- Puccinia ocellifera** Cummins^A
on *Pluchea* sp.^{AR}; **Tucumán**: J.B. Alberdi, road to Escaba, 28 Nov 1997, J.R.Hernández 97-097 (BPI 841218) [II].
- Puccinia petrakii** J.C. Lindq.^S
on *Baccharis tucumanensis* Hook. & Arn.; **Salta**: Dept. Santa Victoria, Los Toldos, El Nogalal, 29 Jun 1996, J.R.Hernández 96-048 (BPI 841137) [I-III].
- Puccinia proluviosa** H.S. Jacks. & Holw.^A
on *Senecio peregrinus* Griseb.^S; **Catamarca**: E of La Viña, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-057 (BPI 841196) [II]; W of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-045 (BPI 841189) [II]. **Tucumán**: 15 Sep 1949, R.Singer & Digilio s.n. [II-III]; Dept. Trancas, 27 Oct 1995, J.R.Hernández 95-059 (BPI 841094) [II]; J.B. Alberdi, S of Escaba Dike, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-010 (BPI 841168) [II]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-162 (LIL 54746, BPI) [II]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-028 (LIL 54745, BPI) [II-III].
- Puccinia rata** H.S. Jacks. & Holw.^A
on *Vernonia saltensis* Hieron.^S; **Salta**: Capital, Cerro San Bernardo, 27 May 1933, A.L.Cabrera 3021 [II-III]. **Tucumán**: Dept. Trancas, Vipos, elev. 780 m, 19 Mar 1928, Sreiter 47843 [I-II-III]; San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-058 (LIL 54747, BPI 841028) [II-III].
- Puccinia schileana** Speg. var. **parthenicola** (H.S. Jacks. & Holw.) J.C. Lindq.
on *Parthenium hysterophorus* L.; **Tucumán**: Cruz Alta, San Agustín, 30 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-031 (LIL 54748, BPI 841022) [II-III]; Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-012 (BPI 841121) [II]; San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-066 (LIL 54749, BPI) [II].
- Puccinia schileana** Speg. var. **schileana**
on *Verbesina lilloi* S.F. Blake; **Jujuy**: Dept. Tumbaya, volcano, on slope to abra de Tiraxi, 31 Dec 1952, H. Sleumer s.n. [0-I-II].
- Puccinia singeri** J.C. Lindq.
on *Verbesina* sp.; **Tucumán**: Sierras de San Javier, 15 Nov 1950, R.Singer s.n. [II-III].

on *Verbesina suncho* (Griseb.) S.F. Blake;
Tucumán: J.B. Alberdi, S of Escaba Dike,
22 Sep 1997, J.F.Hennen & J.R.Hernández
97-011 (BPI 841169) [II].

Puccinia sp.

on *Baccharis* sp.; **Salta:** Dept. Santa Victoria,
La Misi6n, 30 Jun 1996, J.R.Hernández 96-
062B (BPI) [I-III]. **Tucumán:** Tafi del Valle,
6 Apr 1993, J.F.Hennen & J.R.Hernández
93-122 (LIL 54757, BPI 841018) [I-II-III].

Puccinia sp. A^N

on *Vernonia fulva* Griseb.^S; **Tucumán:** Dept.
Trancas, Rt. 9, km 1364, 26 Oct 1995,
J.R.Hernández 95-055 (BPI 841093) [III];
San Javier, Parque Sierras de San Javier, 23
Jul 1994, J.R.Hernández 94-141 (LIL
54758, BPI 841065) [III].

on *Vernonia* sp.; **Tucumán:** Horco Molle,
Parque Sierras de San Javier, 6 Apr 1994,
J.F.Hennen, M.M.Hennen & J.R.Hernández
94-091A (BPI) [I-III].

Puccinia sp. B^N

on *Vernonia squamosa* Gardner; **Catamarca:**
Balcozna, 22 Sep 1997, J.F.Hennen &
J.R.Hernández 97-022 (BPI 841175) [II-III].
Salta: Orán, Jul-Aug 1873, P.G.Lorentz &
G.Hieronymus s.n. [II-III]. **Tucumán:** Dept.
Capital, elev. 480 m, 15 Aug 1909, Lillo
3792 [II-III].

Puccinia sp. C^N

on *Vernonia* sp.; **Salta:** road to Parque del Rey,
6 Dec 1997, J.R.Hernández 97-161 (BPI
841257) [II-III]. **Tucumán:** El Siambón,
river next to monastery, 3 Nov 1997,
J.R.Hernández 97-147 (BPI 841245) [II]; J.B.
Alberdi, Escaba Dike, 28 Nov 1997,
J.R.Hernández 97-106 (BPI 841223) [III];
Yerba Buena, 29 Mar 1993, J.R.Hernández
93-047 (LIL 54755, BPI) [III].

Puccinia sp.(A)

on undtn.; **Salta:** Dept. Santa Victoria, La
Misi6n, 30 Jun 1996, J.R.Hernández 96-
056 (BPI 841142) [III].

Puccinia sp.(B)

on undtn.; **Tucumán:** NW of San Miguel de
Tucumán, 31 Mar 1993, J.F.Hennen &
J.R.Hernández 93-088 (LIL 54759, BPI
841009) [II-III].

Puccinia spegazzinii De Toni^S

on *Mikania micrantha* Kunth^A; **Tucumán:**

Horco Molle, 15 May 1995, J.R.Hernández
95-079 (BPI) [III]; Horco Molle, Parque Si-
erras de San Javier, 6 Apr 1994, J.F.Hennen,
M.M.Hennen & J.R.Hernández 94-088
(LIL 54752, BPI) [III]; San Javier, Parque Si-
erras de San Javier, 23 Jul 1994,
J.R.Hernández 94-160 (LIL 54753, BPI) [III].

on *Mikania periplocifolia* Hook. & Arn.;
Salta: Los Vaqueros, 7 Dec 1997,
J.R.Hernández 97-165 (BPI 841261) [III];
Metán, 2 Apr 1993, J.F.Hennen &
L.D.Ploper 93-113 (LIL 54751, BPI) [III].
Tucumán: 19.5 km W of San Miguel de
Tucumán, mtn, 27 Mar 1993, J.F.Hennen,
L.D.Ploper & J.R.Hernández 93-010 (LIL
54750, BPI) [III]; Dept. Trancas, Vupos, 28
Mar 1996, J.R.Hernández 96-009 (BPI) [III];
J.B. Alberdi, road to Escaba, 28 Nov 1997,
J.R.Hernández 97-098 (BPI) [III].

on *Mikania* sp.; **Tucumán:** 15 Jan 1895, C.
Spegazzini s.n. [III]; Dept. Capital, 15 Jun
1992, J.R.Hernández 92-005 (BPI) [III].

Puccinia tanacetii DC. var *tanacetii*^A

on *Chrysanthemum* sp.^{AR}; **Tucumán:** San
Miguel de Tucumán, 15 Dec 1994,
J.R.Hernández 94-170 (BPI 841076) [III].

Puccinia unicolor Arthur^A

on *Baccharis* sp.^{AR}; **Tucumán:** Alta Gracia, 19
Nov 1997, J.R.Hernández 97-0931 (BPI
841214) [II].

Uredo sp.

on *Baccharis* sp.; **Tucumán:** Tafi del Valle, 6
Apr 1993, J.F.Hennen & J.R.Hernández 93-
118 (LIL 54756, BPI 841017) [II].

on *Eupatorium* sp.; **Tucumán:** Valle de Las
Salas, bank of Rio Las Salas, 3 Nov 1997,
J.R.Hernández 97-151 (BPI 841248) [II].

Uromyces aspiliae H.S. Jacks. & Holw.^A

on *Aspilia* sp.^{AR}; **Tucumán:** Horco Molle, 14
Nov 1997, J.R.Hernández 97-130 (BPI
841234) [0-I-II-III].

on *Wedelia saltensis* Cabrera^S; **Tucumán:**
Horco Molle, 21 Dec 1992, J.R.Hernández
92-004 (BPI 840991) [II-III].

Uromyces bidenticola Arthur

on *Bidens pilosa* L.; **Tucumán:** Horco Molle,
17 Sep 1997, J.R.Hernández 97-078 (BPI
841207) [II]; Horco Molle, Parque Sierras
de San Javier, 29 Mar 1996, J.R.Hernández
96-022 (BPI 841128) [III]; Horco Molle,

Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-087 (LIL 54762, BPI) [II-III]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-151 (LIL 54763, BPI) [III].
on *Bidens* sp.; **Tucumán**: 19.5 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-014 (LIL 54764, BPI) [II-III]; J.B. Alberdi, road to Escaba, 28 Nov 1997, J.R.Hernández 97-096 (BPI 841217) [III].

Uromyces megalospermus Speg.

on *Tessaria absinthioides* (Hook. & Arn.) DC.;
Catamarca: N of Catamarca, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-017 (BPI 841171) [II-III]; N of Catamarca, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-018 (BPI 841172) [II-III]; road to El Rodeo, camping area, 29 Nov 1997, J.R.Hernández 97-115 (BPI 841227) [II]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-024 (BPI 841176) [II]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-027 (BPI) [II].

Uromyces polymniae Dietel & Holw.

on *Polymnia connata* (Spreng.) S.F. Blake;
Tucumán: NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-090 (LIL 54765, BPI 841010) [II-III].

BERBERIDACEAE

Edythea quitensis (Lagerh.) H.S. Jacks. & Holw.^A

on *Berberis* sp.; **Tucumán**: Tañi del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-116 (LIL 54711, BPI 841016) [II-III].

BETULACEAE

Melampsoridium hiratsukanum S. Ito ex Hirats. f.^A

on *Alnus acuminata* Kunth^A; **Salta**: Dept. Santa Victoria, La Misión, 30 Jun 1996, J.R.Hernández 96-058 (BPI 841143) [II]; Dept. Santa Victoria, Los Toldos, 28 Jun 1996, J.R.Hernández 96-033 (BPI 841132) [II]. **Tucumán**: road to Villa Nogués, 5 May 1995, J.R.Hernández 95-035 (BPI 841082) [II]; San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-039 (LIL 54712, BPI) [III].

BIGNONIACEAE

Prosopidium appendiculatum (G. Winter) Arthur

on *Tecoma stans* (L.) Juss. ex Kunth in H.B.K.;

Catamarca: E of La Viña, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-060 (BPI) [I]. **Jujuy**: Caimancito, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-110 (LIL 54714, BPI) [I-II]; Parque Nacional Calilegua, 8 Dec 1997, J.R.Hernández 97-180 (BPI 841268) [I]; Santa Clara, 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-131 (LIL 54716, BPI) [III]. **Salta**: Dept. Santa Victoria, La Misión, 30 Jun 1996, J.R.Hernández 96-055 (BPI 841141) [II-III]; General San Martín, 7 Dec 1997, J.R.Hernández 97-172 (BPI 841262) [I]. **Tucumán**: Horco Molle, 15 Nov 1995, J.R.Hernández 95-090 (BPI) [I]; Horco Molle, 14 Nov 1997, J.R.Hernández 97-132 (BPI) [I]; J.B. Alberdi, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-002 (BPI 841161) [I]; J.B. Alberdi, road to Escaba, 28 Nov 1997, J.R.Hernández 97-099 (BPI 841219) [I]; road to Villa Nogués, 5 May 1995, J.R.Hernández 95-036 (BPI 841083) [II-III]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-027 (LIL 54713, BPI) [I-II]; San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-061 (LIL 54715, BPI 841030) [II-III].

Prosopidium elegans (J. Schröt) Cummins^S

on *Tecoma garrocha* Hieron.; **Salta**: Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-115 (LIL 54717, BPI 841048) [III].

Prosopidium perornatum Syd.^{JS}

on *Tabebuia avellanedae* Lorentz ex Griseb.; **Jujuy**: Parque Nacional Calilegua, 8 Dec 1997, J.R.Hernández 97-181 (BPI 841269) [0-I]. **Salta**: Dept. Santa Victoria, La Misión, 30 Jun 1996, J.R.Hernández 96-057 (BPI) [III]. **Tucumán**: Cevil Pozo, 12-15 km E of San Miguel de Tucumán, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-056 (LIL 54739, BPI) [II-III]; Dept. Capital, 1 Nov 1995, J.R.Hernández 95-062 (BPI 841095) [0-I]; Dept. Capital, 1 Nov 1995, J.R.Hernández 95-061 (BPI) [0-I]; Dept. Capital, 4 Apr 1994, J.F.Hennen & J.R.Hernández 94-080 (LIL 54718, BPI) [II-III]; Dept. Capital, Quinta Agronómica, 31 Oct 1997, J.R.Hernández 97-070 (BPI) [0-

l]; Dept. Monteros, 29 Oct 1996, J.R.Hernández 96-077 (BPI) [0-I]; El Corte, 15 Feb 1995, J.R.Hernández 95-067 (BPI 841099) [0-I]; El Manantial, 27 Sep 1997, J.F.Hennen & J.R.Hernández 97-064 (BPI 841198) [0]; Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-092 (LIL 54719, BPI) [II-III]; San Javier, 21 Mar 1995, J.R.Hernández 95-072 (BPI 841103) [II-III]; Yerba Buena, 5 Oct 1997, J.R.Hernández 97-074 (BPI) [0].

Prosopodium pithecoctenii (Pazschke) Cummins^A

on *Pithecoctenium* sp.; **Salta:** Las Lajitas, 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-130 (LIL 54722, BPI 841057) [II-III]. **Tucumán:** Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-061 (LIL 54721, BPI) [II-III]; San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-055 (LIL 54720, BPI 841026) [II-III].

Prosopodium singeri Petr.^A

on *Clytostoma callistegioides* (Cham.) Bureau ex Griseb.^{AR}; **Tucumán:** San Miguel, Jardín Botánico Inst. Miguel Lillo, 30 Aug 1951, R.Singer s.n. [II-III].

Uropyxis rickiana Magnus^{S,T}

on *Macfadyena unguis-cati* (L.) A.H. Gentry; **Salta:** Dept. Rosario de la Frontera, Horcones, 6 Dec 1997, J.R.Hernández 97-153 (BPI 841250) [II-III]; Posta de Yatasto, 6 Dec 1997, J.R.Hernández 97-155 (BPI) [II]. **Tucumán:** 19.5 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-013 (LIL 54723, BPI) [II-III]; Horco Molle, 15 Mar 1992, J.R.Hernández 92-002 (BPI) [II-III].

BORAGINACEAE

Accidium tournefortiae Henn.^A

on *Tournefortia paniculata* Cham.^A; **Tucumán:** Raco, 3 Nov 1997, J.R.Hernández 97-141 (BPI 841240) [0-I].

Puccinia cordiae Arthur^A

on *Cordia* sp.; **Jujuy:** Parque Nacional Calilegua, 8 Dec 1997, J.R.Hernández 97-178 (BPI 841266) [I]. **Salta:** Dept. Güemes, 7 Dec 1997, J.R.Hernández 97-171 (BPI) [III].

Uromyces dolichosporus Dietel & Holw.^A

on *Tournefortia rubicunda* DC.^S; **Tucumán:** San Pedro de Colalao, 2 Apr 1994,

J.F.Hennen & M.M.Hennen 94-072 (LIL 54724, BPI 841033) [II-III].

CACTACEAE

Uromyces pereskiae Dietel^I

on *Pereskia aculeata* Mill.; **Jujuy:** Santa Clara, 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-125 (LIL 54725, BPI 841055) [III].

CANNACEAE

Puccinia thaliae Dietel^T

on *Canna compacta* Roscoe^S; **Tucumán:** Yerba Buena, 15 Nov 1995, J.R.Hernández 95-089 (BPI 841112) [II-III].

on *Canna* sp.; **Tucumán:** Dept. Capital, 12 Aug 1994, J.R.Hernández 94-153 (LIL 54726, BPI 841070) [II-III].

CARYOPHYLLACEAE

Uromyces dianthi (Pers.) Niessl

on *Dianthus* sp.; **Tucumán:** Lules, 17 Aug 1995, J.R.Hernández 95-086 (BPI) [II].

CHENOPODIACEAE

Puccinia subnitens Dietel^S

on *Suaeda divaricata* Moq.; **Salta:** Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-110 (LIL 54727, BPI 841045) [I].

COMMELINACEAE

Phakopsora tecta H.S.Jacks. & Holw.

on *Commelina* sp.; **Tucumán:** Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-006 (BPI 841118) [II]; Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-095 (LIL 54728, BPI) [II]; San Javier, 23 Jun 1995, J.R.Hernández 95-084 (BPI 841109) [II].

Puccinia commelinac Holw.^A

on *Tradescantia* sp.^{AR}; **Tucumán:** Horco Molle, 11 Nov 1990, J.R.Hernández 90-001 (BPI) [III]. on *Tripogandra elongata* (G. Mey.) Woodson^S; **Salta:** Dept. Santa Victoria, Los Toldos, 28 Jun 1996, J.R.Hernández 96-032 (BPI) [II]. **Tucumán:** Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-082 (LIL 54729, BPI) [II].

on *Tripogandra* sp.^A; **Tucumán:** 19.5 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-009 (LIL 54730, BPI) [II].

Horco Molle, 17 Sep 1997, J.R.Hernández 97-079 (BPI) [II]; Horco Molle, 14 Nov 1997, J.R.Hernández 97-134 (BPI 841237) [II]; Yerba Buena, 29 Mar 1993, J.R.Hernández 93-046 (LIL 54731, BPI 841000) [II-III].

Uromyces commelinae Cooke

on *Commelina* sp.; **Tucumán:** Dept. Capital, 17 Dec 1995, J.R.Hernández 95-093 (BPI 841114) [II]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-155 (LIL 54732, BPI 841071) [II-III].

CONVOLVULACEAE

Puccinia crassipes Berk. & Curt. var. **crassipes**¹

on *Ipomoea cairica* (L.) Sweet; **Tucumán:** Dept. Capital, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-042 (LIL 54767, BPI) [II]; J.B. Alberdi, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-001 (BPI 841160) [II]; J.B. Alberdi, road to Escaba, 28 Nov 1997, J.R.Hernández 97-095 (BPI) [II]; San Miguel de Tucumán, 10 Jun 1992, J.R.Hernández 92-001 (BPI) [II-III].

on *Ipomoea hieronymi* (Kuntze) O'Donnell; **Jujuy:** Santa Clara, 12 Apr 1994, J.F.Hennen & L.D.Ploper s.n. (LIL 54768, BPI 841058) [II-III].

on *Ipomoea* sp.; **Jujuy:** Pampa Blanca, 1 Apr 1993, J.F.Hennen & L.D.Ploper 93-099 (LIL 54769, BPI 841013) [II]. **Tucumán:** Amberes, 5 May 1989, L.D.Ploper & G.Würschmidt s.n. (BPI) [II-III].

Puccinia dichondrae Mont.

on *Dichondra sericea* Sw.^A; **Buenos Aires:** La Plata, 29 Sep 1997, J.F.Hennen & J.R.Hernández 97-071 (BPI 841203) [III].

Catamarca: Dept. Ambato, El Rodeo, 14 Nov 1999, J.R.Hernández 99-005 (BPI 841274) [III]. **Tucumán:** El Siambón, river next to monastery, 3 Nov 1997, J.R.Hernández 97-149 (BPI 841246) [III].

on *Dichondra* sp.; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-158 (LIL 54766, BPI) [III].

CUCURBITACEAE

Uromyces novissimus Speg.

on *Cayaponia citrullifolia* (Griseb.) Cogn.; **Tucumán:** Dept. Capital, 12 Aug 1994, J.R.Hernández 94-139 (LIL 54770, BPI

[III]; Las Salas, 5 May 1995, J.R.Hernández 95-021 (BPI 841080) [III].

on *Cucurbitella cucumifolia* (Griseb.) Cogn.^A;

Tucumán: San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-148 (LIL 54771, BPI 841069) [III].

on *undtn.*; **Tucumán:** Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-094 (LIL 54772, BPI 841037) [II-III].

CYPERACEAE

Puccinia cyperi Arthur

on *Cyperus* sp.; **Tucumán:** San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-075 (LIL 54773, BPI 841035) [II-III].

DRYOPTERIDACEAE

Desmella anemiae Syd. & P.Syd.^A

on *Athyrium lilloi* (Hicken) Alston^S;

Tucumán: Las Lenguas, 22 Oct 1950, R.Singer s.n. [II]; Las Lenguas, 22 Oct 1950, R.Singer s.n. [II].

ERYTHROXYLACEAE

Phakopsora coca Buriticá & J.F. Hennen

on *Erythroxylum coca* Lam.; **Jujuy:** 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-115 (LIL 54774, BPI) [II]. **Salta:** Cafayate, 10 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-135A (LIL 54775, BPI 841061) [II].

EUPHORBIACEAE

Uromyces cisnerioanus Speg.^{C†}

on *Sapium haemospermum* Mül.Arg.; **Catamarca:** W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-033 (BPI 841182) [II-III]. **Tucumán:** Dept. Capital, 14 May 1995, J.R.Hernández 95-051 (BPI 841092) [II-III]; El Manantial, 5 Mar 1996, J.R.Hernández 96-076 (BPI 841149) [II-III]; Los Gutierrez, 15 Aug 1994, J.R.Hernández 94-171 (BPI) [III]; San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-062 (LIL 54779, BPI) [II-III]; San Pedro de Colalao, 31 Mar 1994, J.F.Hennen & M.M.Hennen 94-047 (LIL 54778, BPI) [III].

Uromyces euphorbiae Cooke & Peck

on *Euphorbia hirta* L.; **Tucumán:** Dept. Cruz Alta, San Agustín, Monte Redondo, 29

Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-028 (LIL 54776, BPI) [II-III]; San Pedro de Colalao, 31 Mar 1994, J.F.Hennen & M.M.Hennen 94-046 (LIL 54777, BPI 841024) [III].

FABACEAE

Phakopsora mcibomiaae (Arthur) Arthur^A

on *Cologania ovalifolia* Kunth^S; **Tucumán**: 22 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-018 (LIL 54819, BPI 840995) [II].

Phragmopyxis deglubens (Berk. & M.A. Curtis) Dietel in Engl. & Prantl^A

on *Coursetia brachyrhachis* Harms^S; **Jujuy**: Pampa Blanca, 1 Apr 1993, J.F.Hennen & L.D.Ploper 93-097 (LIL 54820, BPI 841012) [II-III].

Puccinia bergii Speg.^A

on *Poiretia tetraphylla* (Prior.) Burkart^A; **Corrientes**: Dept. Concepción, Rincón de Luna, Estancia Santillana, 26 Feb 1957, T.M.Pedersen 4483 [II].

Ravenelia argentinensis Speg.^{CS}

on *Acacia aroma* Gillies in Hook. & Arn.; **Catamarca**: N of Catamarca, Hwy. 38, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-052 (BPI 841193) [I]. **Jujuy**: Parque Nacional Calilegua, 8 Dec 1997, J.R.Hernández 97-179 (BPI 841267) [I]. **Salta**: Metán, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-103 (LIL 54823, BPI 841014) [I-II-III]; road to Parque del Rey, 6 Dec 1997, J.R.Hernández 97-160 (BPI 841256) [I]. **Tucumán**: Cevil Pozo, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-051 (LIL 54824, BPI) [III]; Cruz Alta, San Agustín, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-059 (LIL 54825, BPI) [II-III]; Cruz Alta, San Agustín, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-060A (LIL 54845, BPI) [III]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-076 (LIL 54821, BPI) [I-II]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-072 (LIL 54848, BPI) [I-II]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-078 (LIL 54822, BPI) [I-II-III]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-065 (LIL 54826, BPI) [II-III]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández

93-069 (LIL 54847, BPI) [I-II-III]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-074 (LIL 54827, BPI) [II-III]; Raco, 3 Nov 1997, J.R.Hernández 97-143 (BPI) [II]; Raco, 3 Nov 1997, J.R.Hernández 97-142 (BPI 841241) [I]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-032 (LIL 54844, BPI) [I-II-III].

Ravenelia cebil Speg.^I

on *Anadenanthera* sp.^G; **Jujuy**: Caimancito, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-111 (LIL 54831, BPI) [II-III]; Pampa Blanca, 1 Apr 1993, J.F.Hennen & L.D.Ploper 93-100 (LIL 54829, BPI) [II-III]; San Pedro, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-107 (LIL 54830, BPI) [II-III]. **Tucumán**: San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-059 (LIL 54828, BPI 841029) [II-III].

Ravenelia cohniana Henn.^A

on *Legum. undetn.*; **Jujuy**: Chalicán, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-105 (LIL 54832, BPI 841015) [II-III].

Ravenelia echinata Lagerh. & Dietel var. **ectypa** (Arthur & Holw.) Cummins^A

on *Calliandra formosa* (Kunth) Benth.^S; **Salta**: Pichanal, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-102 (LIL 54835, BPI) [II-III]. **Tucumán**: San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-054 (LIL 54836, BPI) [II-III]; San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-073 (LIL 54837, BPI 841034) [II-III].

Ravenelia hieronymi Speg.^{CT}

on *Acacia caven* (Molina) Molina; **Catamarca**: Rio Las Juntas, camping area, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-038 (BPI) [An]; W of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-044 (BPI 841188) [III]. **Tucumán**: J.B. Alberdi, S of Escaba Dike, 28 Nov 1997, J.R.Hernández 97-108 (BPI 841224) [An-III]; SW of J.B. Alberdi, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-007 (BPI 841166) [An-III]; SW of J.B. Alberdi, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-006 (BPI 841165) [An-III].

Ravenelia lindquistii J.F.Hennen & Cummins^C

on *Acacia praecox* Griseb.; **Catamarca**: bank

of Rio Las Juntas, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-041 (BPI 841187) [II-III]; Rio Las Juntas, camping area, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-039 (BPI 841185) [II-III]. **Salta:** Pichanal, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-109 (LIL 54834, BPI) [II-III]; Pichanal, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-108 (LIL 54850, BPI) [III]. **Tucumán:** San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-067 (LIL 54833, BPI) [II-III].

Ravenelia lonchocarpicola var. **lonchocarpicola** Speg.^J

on *Lonchocarpus lilloi* (Hassl.) Burkart^S; **Jujuy:** Ledesma, between Valle Grande and Rio Agua Negra, 8 Apr 1971, Legname & Cuezco 7970c [0-III]; Ledesma, from Rio Agua Negra to Alba de Cañas, 29 May 1977, Legname & Cuezco 8247c [III].

Ravenelia macrocarpa Syd. & P. Syd.^A

on *Senna birostris* var. *hookeriana* (Gillies ex Hook. & Arn.) H.S. Irwin & Barneby^A; **Tucumán:** Dept. Trancas, Cuesta Grande, 22 Apr 1926, S.Venturi s.n. [III]; Dept. Trancas, Cuesta Grande, 22 Apr 1926, S.Venturi s.n. [III]; Tafi del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-117 (LIL 54838, BPI) [II-III].

on *Senna hookeriana* Batke^A; **Tucumán:** Tafi, 19 Mar 1944, A.Courteig 516 [II-III].

on *Senna subulata* (Griseb.) H.S. Irwin & Barneby^S; **Catamarca:** E of La Viña, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-056 (BPI 841195) [II]. **Tucumán:** Dept. Tafi, 7 Feb 1924, S.Venturi s.n. [II-III]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-156 (LIL 54839, BPI) [II].

Ravenelia mimosae-sensitivae Henn.

on *Mimosa debilis* Humb. & Bonpl. ex Willd. var. *debilis*^S; **Salta:** Between Rosario de la Frontera and Horcones, 11 Apr 1994, J.F.Hennen & L.D.Ploper 94-120 (LIL 54843, BPI 841052) [II-III]. **Tucumán:** Cruz Alta, San Agustín, 30 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-035 (LIL 54842, BPI) [II-III]; Dept. Cruz Alta, San Agustín, Monte Redondo, 29 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-027 (LIL 54841, BPI) [II-III]; Las Cejas, 30 Mar 1993, J.F.Hennen &

J.R.Hernández 93-073 (LIL 54840, BPI) [II-III].

Ravenelia papillosa Speg.^C

on *Acacia visco* Lorentz ex Griseb.; **Catamarca:** Dept. Ambatos, El Rodeo, El Nogalal, 14 Nov 1999, J.R.Hernández 99-009 (BPI 841277) [An]; Dept. Ambatos, El Rodeo, El Nogalal, 14 Nov 1999, J.R.Hernández 99-001 (BPI 841270) [An]. **Tucumán:** Las Salas, 5 May 1995, J.R.Hernández 95-019 (BPI) [II-III]; Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-007 (BPI 841119) [II-III]. on *Parapiptadenia excelsa* (Griseb.) Burkart^S; **Catamarca:** Dept. Ambatos, El Rodeo, El Nogalal, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-049 (BPI 841191) [An-III].

Ravenelia platensis Speg.^C

on *Erythrina crista-galli* L.; **Buenos Aires:** La Plata, 29 Sep 1997, J.F.Hennen & J.R.Hernández 97-073 (BPI 841204) [0].

Ravenelia sp.

on undtn.; **Tucumán:** Cevil Pozo, 12-15 km E of San Miguel de Tucumán, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-052 (LIL 54849, BPI 841002) [II-III].

Ravenelia spegazziniana J.C. Lindq.ST

on *Acacia aroma* Gillies ex Hook. & Arn.; **Salta:** Metán, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-103A (LIL 54823, BPI) [III]. **Tucumán:** Cruz Alta, San Agustín, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-059A (LIL 54825, BPI) [III]; Cruz Alta, San Agustín, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-060 (LIL 54845, BPI) [II-III]; Cruz Alta, San Agustín, 30 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-038 (LIL 54846, BPI) [III]; Dept. Trancas, Vipos, 30 Mar 1995, J.R.Hernández 95-044 (BPI 841087) [III]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-076A (LIL 54821, BPI 841005) [II]; Monte Redondo, 31 Mar 1996, J.R.Hernández 96-089 (BPI) [II-III].

Uromyces appendiculatus (Pers.) Unger

on *Phaseolus vulgaris* L.; **Salta:** Between Rosario de la Frontera and Horcones, 11 Apr 1994, J.F.Hennen & L.D.Ploper 94-121 (LIL 54852, BPI) [II]; Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-107 (LIL 54851, BPI) [II-III]. **Tucumán:**

Dept. Trancas, 17 Mar 1995, J.R. Hernández 95-070 (BPI 841102) [II]; Las Criollas, 21 Nov 1986, L.D. Plover & G. Würschmidt s.n. (BPI) [II-III].

Uromyces castaneus P. Syd. & Syd.^A

on *Desmodium purpureum* Hook. & Arn.^A; **Salta:** Dept. Santa Victoria, Los Toldos, El Nogalal, 29 Jun 1996, J.R. Hernández 96-041 (BPI 841136) [II-III].

Uromyces dietelianus Pазsche^A

on *Bauhinia forficata* Link.^A; **Buenos Aires:** Castelar, 3 Mar 1996, J.R. Hernández 96-064 (BPI 841145) [II-III]. **Tucumán:** El Corte, 15 Nov 1997, J.R. Hernández 97-085 (BPI 841211) [II-III].

Uromyces hedydari-paniculati (Schwein.) Farl. apud Ellis^T

on *Desmodium* sp.; **Tucumán:** NW of San Miguel de Tucumán, 31 Mar 1993, J.F. Hennen & J.R. Hernández 93-092 (LIL 54860, BPI) [I-II-III]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F. Hennen & J.R. Hernández 93-091 (LIL 54855, BPI 841011) [II-III]; San Javier, 27 Mar 1993, J.F. Hennen, L.D. Plover & J.R. Hernández 93-022 (LIL 54856, BPI) [I-II-III].

Uromyces orbicularis Dietel^A

on *Desmodium purpureum* Hook. & Arn.^A; **Tucumán:** San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F. Hennen, L.D. Plover & J.R. Hernández 93-034 (LIL 54853, BPI) [II-III]; San Miguel de Tucumán, 23 Jun 1995, J.R. Hernández 95-082 (BPI 841108) [II-III].

on *Desmodium* sp.; **Tucumán:** NW of San Miguel de Tucumán, 31 Mar 1993, J.F. Hennen & J.R. Hernández 93-091A (LIL 54855, BPI) [I-III]; San Pedro de Colalao, 31 Mar 1994, J.F. Hennen & M.M. Hennen 94-048 (LIL 54857, BPI) [II-III].

on *Desmodium subsericeum* Malme^S; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R. Hernández 94-159 (LIL 54854, BPI) [II-III].

Uromyces striatus Schröt.

on *Medicago sativa* L.; **Salta:** Cafayate, 9 Apr 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-108 (LIL 54859, BPI) [III]. **Tucumán:** Dept. Trancas, Vipos, 28 Mar 1996, J.R. Hernández 96-002 (BPI 841117) [III].

Uromyces trifolii-repentis Liro^T

on *Trifolium repens* L.; **Tucumán:** Cruz Alta, 15 Mar 1996, J.R. Hernández 96-092 (BPI 841158) [II-III]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F. Hennen & J.R. Hernández 93-093 (LIL 54858, BPI) [III].

Uromyces viciae-fabae (Pers.) Schröt.^T

on *Vicia faba* L.; **Tucumán:** Tafí Viejo, 9 Nov 1997, J.R. Hernández 97-065 (BPI 841199) [II-III].

Ypsilospora sp.^N

on *Inga edulis* Mart.^{AR}; **Tucumán:** Dept. Capital, Quinta Agronómica, 28 Mar 1994, J.F. Hennen & M.M. Hennen 94-024 (LIL 54817, BPI) [II]; Dept. Capital, Quinta Agronómica, 30 Mar 1993, J.F. Hennen & J.R. Hernández 93-049 (LIL 54816, BPI 841001) [II]; Dept. Capital, Quinta Agronómica, 6 Apr 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-096 (LIL 54818, BPI 841038) [II-III].

GERANIACEAE

Puccinia pelargonii-zonalis Doidge^A

on *Pelargonium hortorum* L.H. Bailey^A; **Tucumán:** Dept. Capital, 29 Jul 1994, J.R. Hernández 94-146 (LIL 54781, BPI) [III]; Dept. Capital, Quinta Agronómica, 28 Mar 1994, J.F. Hennen & M.M. Hennen 94-023 (LIL 54780, BPI) [II]; Dept. Capital, Quinta Agronómica, 15 Apr 1995, J.R. Hernández 95-075 (BPI) [II-III]; San Miguel de Tucumán, 15 Apr 1991, J.R. Hernández 91-001 (BPI 840990) [III]; Tafí viejo, 15 Aug 1994, I. Zarsoza s.n. (LIL 54782, BPI) [III]; Yerba Buena, 19 Jul 1996, J.R. Hernández 96-072 (BPI 841148) [II].

IRIDACEAE

Uromyces transversalis (Thüm.) G. Winter^A

on *Gladiolus* sp.^A; **San Luis:** Villa Mercedes, 22 Apr 1995, leg. ? (BPI 841104) [II-III]. **Tucumán:** Dept. Capital, 27 Jun 1996, J.R. Hernández 96-028 (BPI 841131) [II]; Dept. Capital, 16 Mar 1995, J.R. Hernández 95-069 (BPI 841101) [II-III].

LAMIACEAE

Puccinia farinacea Long^T

on *Salvia rypara* Briq.^S; **Tucumán:** San Pedro de Colalao, 2 Apr 1994, J.F. Hennen & M.M. Hennen 94-068 (LIL 54807, BPI) [II-III].

III]; San Pedro de Colalao, 1 Apr 1994, J.F. Hennen & M.M. Hennen 94-063 (LIL 54805, BPI) [II-II]; San Pedro de Colalao, 2 Apr 1994, J.F. Hennen & M.M. Hennen 94-074 (LIL 54806, BPI) [II-III].

on *Salvia* sp.; **Jujuy**: Palma Sola, 12 Apr 1994, J.F. Hennen & L.D. Plover 94-134 (LIL 54808, BPI 841059) [II-III].

Puccinia giberti Speg.

on *Hyptis* sp.; **Tucumán**: Tafi del Valle, 6 Apr 1993, J.F. Hennen & J.R. Hernández 93-125 (LIL 54760, BPI 841020) [II-III].

Puccinia hyptidis-mutabilis Mayor^A

on *Hyptis mutabilis* (Rich.) Briq.^{AR}; **Salta**: Cafayate, 8 Apr 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-102 (LIL 54810, BPI) [II-X]; Cafayate, 9 Apr 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-113 (LIL 54811, BPI) [II-X]. **Tucumán**: Cruz Alta, San Agustín, 30 Mar 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-037 (LIL 54809, BPI) [II-X]; El Manantial, 15 May 1996, J.R. Hernández 96-093 (BPI 841159) [II-X]; San Javier, Parque Sierras de San Javier, La Cascada, 29 Mar 1996, J.R. Hernández 96-018 (BPI 841125) [II-X].

on *Hyptis* sp.^{AR}; **Tucumán**: Alta Gracia, 19 Nov 1997, J.R. Hernández 97-088 (BPI) [II-X]; Las Cejas, 30 Mar 1993, J.F. Hennen & J.R. Hernández 93-077 (LIL 54813, BPI) [II-X]; Las Cejas, 30 Mar 1993, J.F. Hennen & J.R. Hernández 93-066 (LIL 54812, BPI) [II-X-III]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F. Hennen & J.R. Hernández 93-085 (LIL 54814, BPI) [II-X].

Puccinia menthae Pers.^T

on *Mentha pulegium* L.; **Tucumán**: Valle de Las Salas, bank of Rio Las Salas, 3 Nov 1997, J.R. Hernández 97-150 (BPI 841247) [II].

on *Mentha* sp.; **Tucumán**: Dept. Capital, 15 Sep 1995, J.R. Hernández 95-087 (BPI) [II].

Puccinia pallidissima Speg.^T

on *Stachys gilliesii* Benth.^S; **Tucumán**: Dept. Capital, Quinta Agronómica, 15 Apr 1995, J.R. Hernández 95-074 (BPI 841105) [III].

on *Stachys* sp.; **Tucumán**: Yerba Buena, 29 Mar 1993, J.R. Hernández 93-044 (LIL 54815, BPI) [III].

LILIACEAE

Puccinia allii F. Rudolfi^T

on *Allium sativum* L.; **Tucumán**: Leales, 15 Aug 1992, L.D. Plover & N.V. de Ramallo s.n. (BPI 840992) [II-III].

MALPIGHIACEAE

Puccinia heteropteridis Thüm.^{CT}

on *Janusia guaranitica* (H. St.-Hil.) A. Juss.^S; **Catamarca**: road to El Rodeo, camping area, 29 Nov 1997, J.R. Hernández 97-116 (BPI) [II]; W side of Catamarca, 23 Sep 1997, J.F. Hennen & J.R. Hernández 97-034 (BPI 841183) [II-III]. **Tucumán**: San Pedro de Colalao, 1 Apr 1994, J.F. Hennen & M.M. Hennen 94-056 (LIL 54861, BPI 841027) [III].

MALVACEAE

Catenulopsora praelonga (Speg.) Buriticá^A

on *Pavonia malvacea* (Vell.) Krapov. & Cristoval^S; **Tucumán**: San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R. Hernández 94-143 (LIL 54863, BPI) [III]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F. Hennen, L.D. Plover & J.R. Hernández 93-025 (LIL 54862, BPI 840997) [II-III].

Puccinia heterospora Berk. & M.A. Curtis^I

on *Abutilon* sp.; **Tucumán**: 19.5 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F. Hennen, L.D. Plover & J.R. Hernández 93-007 (LIL 54864, BPI) [III].

on *Anoda cristata* (L.) Schltldl.; **Jujuy**: Capital, 15 Apr 1994, J.R. Hernández 94-167 (BPI) [III]. **Tucumán**: San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R. Hernández 94-161 (LIL 54867, BPI) [III]; San Miguel de Tucumán, 23 Jun 1995, J.R. Hernández 95-081 (BPI) [III]; San Pedro de Colalao, 2 Apr 1994, J.F. Hennen & M.M. Hennen 94-076 (LIL 54866, BPI) [III]; San Pedro de Colalao, 31 Mar 1994, J.F. Hennen & M.M. Hennen 94-042 (LIL 54865, BPI) [III].

on *Gaya gaudichaudiana* A. St.-Hil.; **Tucumán**: Cruz Alta, San Agustín, 30 Mar 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-036 (LIL 54868, BPI) [III]; Cruz Alta, San Agustín, 30 Mar 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-040

- (LIL 54869, BPI) [III]; Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-003 (BPI) [III].
- on *Gaya* sp.; **Tucumán**: Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-068 (LIL 54871, BPI) [III].
- on *Sida prostrata* Cav.; **Tucumán**: J.B. Alberdi, S of Escaba Dike, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-008 (BPI 841167) [III].
- on *Sida spinosa* L.; **Tucumán**: Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-064 (LIL 54870, BPI 841004) [III].
- Puccinia malvacearum** Bertero ex Mont.
- on *Malvastrum coromandelianum* (L.) Garcke; **Salta**: Cafayate, 8 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-104 (LIL 54873, BPI) [III]. **Tucumán**: Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-008 (BPI 841120) [III]; Dept. Trancas, Vipos, 30 Mar 1995, J.R.Hernández 95-046 (BPI) [III]; J.B. Alberdi, road to Escaba, 28 Nov 1997, J.R.Hernández 97-094 (BPI 841216) [III]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-152 (LIL 54874, BPI) [III]; San Javier, Parque Sierras de San Javier, La Cascada., 29 Mar 1996, J.R.Hernández 96-019 (BPI) [III]; San Pedro de Colalao, 31 Mar 1994, J.F.Hennen & M.M.Hennen 94-041 (LIL 54872, BPI) [III].
- on *Malvastrum* sp.; **Tucumán**: NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-082 (LIL 54875, BPI) [III].
- on *undtn*; **Tucumán**: Horco Molle, 20 Apr 1992, J.R.Hernández 92-007 (BPI) [III]; Horco Molle, 17 Sep 1997, J.R.Hernández 97-080 (BPI 841208) [III].
- Puccinia platyspora** (Speg.) H.S. Jacks. & Holw.¹
- on *Alcea rosea* L.^A; **Jujuy**: Tilcara, 3 Feb 1996, J.R.Hernández 96-001 (BPI 841116) [III].
- on *Alcea* sp.^A; **Tucumán**: San Miguel de Tucumán, 15 Apr 1991, J.R.Hernández 91-003 (BPI) [III].
- on *Modiolastrum malvifolium* (Griseb.) K. Schmann; **Catamarca**: Balcozna, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-021 (BPI) [III]; near Balcozna, 28 Nov 1997, J.R.Hernández 97-114 (BPI) [III]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-025 (BPI) [III]. **Salta**: Posta de Yatasto, 6 Dec 1997, J.R.Hernández 97-156 (BPI 841252) [III]. **Tucumán**: Cruz Alta, 15 Mar 1996, J.R.Hernández 96-090 (BPI) [III]; El Siambón, river next to monastery, 3 Nov 1997, J.R.Hernández 97-144 (BPI 841242) [III]; Horco Molle, 15 May 1995, J.R.Hernández 95-080 (BPI 841107) [III]; Lules, 16 Nov 1996, J.R.Hernández 96-065 (BPI) [III]; San Pedro de Colalao, 31 Mar 1994, J.F.Hennen & M.M.Hennen 94-043 (LIL 54876, BPI) [III].
- on *Modiolastrum* sp.; **Tucumán**: NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-089 (LIL 54879, BPI) [III]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D. Ploper & J.R.Hernández 93-024 (LIL 54877, BPI) [III]; Yerba Buena, 29 Mar 1993, J.R.Hernández 93-045 (LIL 54878, BPI) [III].
- on *Sphaeralcea* sp.; **Catamarca**: Dept. Ambatos, El Rodeo, 14 Nov 1999, J.R.Hernández 99-006 (BPI 841275) [III]; Dept. Capital, 14 Nov 1999, J.R.Hernández 99-002 (BPI 841271) [III]; E of La Viña, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-062 (BPI) [III]; Rio Las Juntas, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-050 (BPI) [III]. **Salta**: Cafayate, 8 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-103 (LIL 54880, BPI 841043) [III]. **Tucumán**: Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-004 (BPI) [III].
- on *Tarasa jorgensenii* (I.M. Johnst.) Krapov.²; **Salta**: Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-114 (LIL 54881, BPI) [III].
- on *undtn*; **San Luis**: Villa Mercedes, 15 Sep 1992, leg. ? (BPI) [III].

MORACEAE

Phakopsora nishidana S. Ito^A

- on *Ficus carica* L.; **Salta**: Dept. Santa Victoria, La Misión, 30 Jun 1996, J.R.Hernández 96-051 (BPI 841139) [II]; Pichanal, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-101 (LIL 54883, BPI) [II]. **Tucumán**: Dept. Capital, 30 Mar 1993, J.R.Hernández 93-048 (LIL 54882, BPI) [II]; San Miguel de Tucumán, 12 May 1991, J.R.Hernández 91-004 (BPI)

[II]; San Pedro de Colalao, 2 Apr 1994, J.F.Hennen & M.M.Hennen 94-077 (LIL 54884, BPI) [II].

MYRTACEAE

Puccinia psidii G. Winter

on *Psidium guajava* L.; **Tucumán**: El Corte, 15 Feb 1995, J.R.Hernández 95-065 (BPI) [II]; El Corte, 15 Feb 1995, J.R.Hernández 95-066 (BPI 841098) [II].

NYCTAGINACEAE

Puccinia bougainvilleae Schröt.^{CJ}

on *Bougainvillea stipitata* Griseb.; **Catamarca**: El Rodeo, 29 Nov 1997, J.R.Hernández 97-127 (BPI 841232) [I]. **Jujuy**: San Pedro, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-106 (LIL 54885, BPI) [0-I-II-III]. **Tucumán**: San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-164 (LIL 54887, BPI) [I-II-III]; San Pedro de Colalao, 16 Jul 1992, J.R.Hernández & A.Würschmidt 92-008 (BPI) [I]; San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-050 (LIL 54886, BPI 841025) [I-II-III].

ONAGRACEAE

Endophyllum sp.^N

on *Fuchsia boliviana* Carrière; **Tucumán**: El Corte, 14 Nov 1997, J.R.Hernández 97-129 (BPI 841233) [III]; Lules, 27 Oct 1996, J.R.Hernández 96-069 (BPI 841147) [III]; Rt. 367, 13 Sep 1986, A.Ganem s.n. (BPI) [III]; Tafi del Valle, 13 Sep 1986, C.Boero s.n. (BPI) [III].

Puccinia jussiaeae Speg.^T

on *Ludwigia* sp.; **Tucumán**: NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-086 (LIL 54710, BPI 841008) [II-III].

Pucciniastrum epilobii (Chaillet) G.H. Otth

on *Epilobium brasiliense* Hausskn.; **Salta**: Dept. Trancas, Cuesta del Arca, Jan 1897, leg. ? [II-III].

OXALIDACEAE

Puccinia oxalidis Dietel & Ellis

on *Oxalis* sp.; **Jujuy**: San Salvador, 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-126 (LIL 54889, BPI) [II]. **Tucumán**: Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-005 (BPI) [II]; El Corte, 20 Feb 1995, J.R.

Hernández 95-063 (BPI 841096) [II]; San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-021A (LIL 54888, BPI) [II]; San Pedro de Colalao, 16 Jul 1992, J.R.Hernández & A.Würschmidt 92-009 (BPI) [II].

PIPERACEAE

Puccinia peperomiae J.C. Lindq.^S

on *Peperomia* sp.; **Salta**: camino de corniza between Salta and Jujuy, 7 Dec 1997, J.R.Hernández 97-175 (BPI 841263) [II]; Dept. Santa Victoria, Los Toldos, El Nogalal, 29 Jun 1996, J.R.Hernández 96-049 (BPI 841138) [II]. **Tucumán**: Eslope of Aconquija, road to Tafi del Valle, 11 Nov 1952, A.T.Hunziker s.n. [II-III]; Horco Molle, Parque Sierras de San Javier, 29 Mar 1996, J.R.Hernández 96-020 (BPI 841126) [II]; J.B. Alberdi, S of Escaba Dike, 28 Nov 1997, J.R.Hernández 97-107 (BPI) [II-III].

POACEAE

Physopella compressa (Mains) Cummins & Ramachar^A

on *Paspalum* sp.^{AR}; **Tucumán**: Yerba Buena, 24 Mar 1993, J.R.Hernández 93-043 (LIL 54783, BPI 840999) [II].

Puccinia abnormis Henn.

on *Echinochloa cruspavonis* (Kunth) Schult.^S; **Salta**: Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-117 (LIL 54784, BPI 841049) [II-III].
on *Echinochloa* sp.; **Tucumán**: Amberes, 5 May 1989, L.D.Ploper & G.Würschmidt s.n. (BPI) [II-III-IV].

Puccinia aristidae Tracy var. *chaetaria* Cumml. & Husain^A

on *Aristida* sp.^{AR}; **Catamarca**: bank of Rio Las Juntas, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-040 (BPI 841186) [II-III].

Puccinia brachypodii G.H. Otth var. *poae-nemoralis* (G.H. Otth) Cummins & H.C. Greene

on *Poa* sp.; **Tierra del Fuego**: Est. Figue, 16 Feb 1953, Ruiz Leal & Roigs s.n. (LPS 22392) [II].
on *Poa stuckertii* (Hack.) Parodi; **Buenos Aires**: Santa Catalina, Oct 1941, J.C.Lindquist s.n. (LPS 4895) [II-III].

Puccinia cacabata Arthur & Holw.^T

on *Chloris gayana* Kunth^{AR}; **Salta**: Las Lajitas,

- 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-128 (LIL 54785, BPI) [II-III].
- on *Chloris polydactyla* (L.) Sw.; **Tucumán:** Dept. Trancas, Vipos, 30 Mar 1995, J.R.Hernández 95-042 (BPI 841085) [II-III].
- Puccinia chaetochloae** Arthur^A
- on *Setaria lachnea* (Nees) Kunth^A; **Salta:** Las Lajitas, 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-129 (LIL 54802, BPI) [II].
- on *Setaria parviflora* (Poir.) Kerguelen^A; **Tucumán:** Cruz Alta, San Agustín, 30 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-034 (LIL 54803, BPI) [II].
- on *Setaria* sp.^{AR}; **Catamarca:** W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-026 (BPI 841177) [II]. **Tucumán:** Cruz Alta, 23 Jun 1995, J.R.Hernández 95-083 (BPI) [II]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-075 (LIL 54804, BPI) [II]; Monte Redondo, 31 Mar 1996, J.R.Hernández 96-086 (BPI) [II].
- Puccinia chloridis** Speg.
- on *Chloris virgata* Sw.; **Salta:** Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-118 (LIL 54786, BPI 841050) [II-III].
- Puccinia coronata** Corda var. **rangiferina** (S. Ito) Cummins^A
- on *Avena sativa* L.^{AR}; **Tucumán:** Dept. Capital, Quinta Agronómica, 20 Oct 1994, J.R.Hernández 94-172 (BPI 841077) [II-III].
- Puccinia cynodontis** Lacroix ex Desm.^S
- on *Cynodon dactylon* L.; **Salta:** Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-109 (LIL 54787, BPI 841044) [II-III].
- Puccinia inclita** Arthur^A
- on *Ichnanthus minarum* (Nees) Döll^A; **Tucumán:** NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-083 (LIL 54799, BPI 841007) [II-III]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-138A (LIL 54801, BPI) [II-III]; San Javier, Parque Sierras de San Javier, La Cascada., 29 Mar 1996, J.R.Hernández 96-015 (BPI) [II-III]; Tafí del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-126A (LIL 54780, BPI) [III].
- Puccinia leptochloae** Arthur^T
- on *Leptochloa mucronata* (Michaux) Kunth^A; **Tucumán:** Dept. Cruz Alta, San Agustín, Monte Redondo, 29 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-026 (LIL 54788, BPI 841021) [II-III].
- Puccinia levis** (Sacc. & Bizz.) Magnus var. **panici-sanguinalis** (Rangel) Ramachar & Cummins^A
- on *Ichnanthus minarum* (Nees) Döll^A; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-138 (LIL 54801, BPI 841063) [II]; Tafí del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-126 (LIL 54800, BPI) [II-III].
- on *Panicum* sp.^{AR}; **Catamarca:** Rio Las Juntas, camping area, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-037 (BPI) [II-III]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-032 (BPI 841181) [II-III]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-031 (BPI 841180) [II-III].
- Puccinia melanocephala** Syd. & P. Syd.
- on *Saccharum officinarum* L.; **Jujuy:** San Pedro, 12 Apr 1994, J.F.Hennen & L.D.Ploper 94-124 (LIL 54789, BPI) [II-III]. **Tucumán:** Dept. Capital, 23 Jun 1996, J.R.Hernández 96-082 (BPI 841153) [II-III]; Santa Lucia, 15 Mar 1988, L.D.Ploper & G.Würschmidt s.n. (BPI) [III].
- Puccinia oahuensis** Ellis & Everh.^{S,T}
- on *Digitaria insularis* (L.) Fedde^{AR}; **Jujuy:** Pampa Blanca, 1 Apr 1993, J.F.Hennen & L.D.Ploper 93-098 (LIL 54791, BPI) [II-III]. **Tucumán:** Dept. Cruz Alta, San Agustín, Monte Redondo, 29 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-029 (LIL 54792, BPI) [II-III]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-071 (LIL 54790, BPI) [II]; Monte Redondo, 31 Mar 1996, J.R.Hernández 96-087 (BPI) [II-III]; San Pedro de Colalao, 31 Mar 1994, J.F.Hennen & M.M.Hennen 94-044 (LIL 54793, BPI) [II].
- on *Digitaria sanguinalis* (L.) Scop.; **Salta:** between Rosario de la Frontera and Horcones, 11 Apr 1994, J.F.Hennen & L.D.Ploper 94-122 (LIL 54794, BPI 841053) [II-III].
- Puccinia purpurea** Cooke^T
- on *Sorghum cafrorum* (Thunb.) P. Beauv.^A;

Tucumán: Horco Molle, Parque Sierras de San Javier, 29 Mar 1996, J.R.Hernández 96-025 (BPI) [II]; Monte Redondo, 23 Oct 1996, J.R.Hernández 96-080 (BPI) [II].

on *Sorghum halepense* (L.) Pers.; **Tucumán:** Alta Gracia, 19 Nov 1997, J.R.Hernández 97-089 (BPI 841212) [II-III]; Cevíl Pozo, 12-15 km E of San Miguel de Tucumán, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-054 (LIL 54795, BPI) [II]; Dept. Trancas, Vipos, 28 Mar 1996, J.R.Hernández 96-010 (BPI) [II-III]; San Pedro de Colalao, 31 Mar 1994, J.F.Hennen & M.M.Hennen 94-049 (LIL 54796, BPI) [II].

Puccinia recondita Roberge ex Desm.

on *Bromus* sp.; **Tucumán:** Tafí del Valle, 15 Jul 1994, J.R.Hernández 94-169 (BPI) [II]; Tafí del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-119 (LIL 54797, BPI) [II-III].
on *Bromus unioloides* Kunth; **Tucumán:** El Manantial, 8 Oct 1995, J.R.Hernández 95-041 (BPI 841084) [II].

on *Triticum aestivum* L.; **Tucumán:** Dept. Burruyacu, Loc. La Ramada, Finca Los Lapachos, 19 Sep 1999, J.R.Hernández 99-011 (BPI 841279) [II-III].

Puccinia sorghi Schwein.

on *Zea mays* L.; **Salta:** Between Rosario de la Frontera and Horcones, 11 Apr 1994, J.F.Hennen & L.D.Ploper 94-123 (LIL 54798, BPI 841054) [III]. **Tucumán:** Dept. Capital, 14 May 1995, J.R.Hernández 95-050 (BPI 841091) [III]; Dept. Capital, 8 Mar 1988, L.D.Ploper & G.Würschmidt s.n. (BPI) [II]; El Colmenar, 14 Jun 1989, L.D.Ploper & G.Würschmidt 89-003 (BPI) [II-III].

Puccinia sp.^N

on *Ichnanthus minarum* (Nees) Döll^A; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-138B (LIL 54801, BPI) [II-III].

Puccinia substriata Ell. & Barth.

on *Digitaria* sp.; **Tucumán:** Dept. Capital, 10 Mar 1996, J.R.Hernández 96-079 (BPI 841151) [II-III].

Uromyces setariae-italicae Yosh.^T

on *Setaria* sp.; **Tucumán:** San Javier, Parque Sierras de San Javier, La Cascada, 29 Mar 1996, J.R.Hernández 96-017 (BPI 841124) [II-III].

POLYGONACEAE

Cerotelium sp.^N

on *Ruprechtia apetala* Wedd.^G; **Tucumán:** San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-051 (LIL 54890, BPI) [II-III].

on *Ruprechtia laxiflora* Meisn.^G; **Tucumán:** Dept. Capital, 15 Aug 1994, J.R.Hernández 94-135 (LIL 54893, BPI 841060) [II].

on *Ruprechtia* sp.^G; **Tucumán:** SW of J.B. Alberdi, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-004 (BPI 841163) [II].

Puccinia polygoni-amphibii Pers.:Pers.^{CST}

on *Polygonum acuminatum* Kunth; **Salta:** Cafayate, 9 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-116 (LIL 54892, BPI) [II]. **Tucumán:** San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-040 (LIL 54891, BPI) [II].

on *Polygonum hydropiperoides* Michx.; **Catamarca:** El Rodeo, 29 Nov 1997, J.R.Hernández 97-123 (BPI 841229) [II]. **Salta:** Posta de Yatasto, 6 Dec 1997, J.R.Hernández 97-157 (BPI 841253) [II]. **Tucumán:** road to Villa Nougues, 5 May 1995, J.R.Hernández 95-034 (BPI 841081) [II].

on *Polygonum* sp.; **Catamarca:** E of La Viña, 24 Sep 1997, J.F.Hennen & J.R.Hernández 97-059 (BPI) [II]; W side of Catamarca, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-030 (BPI 841179) [II]. **Tucumán:** Road to Balcozna, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-012 (BPI) [II].

Uromyces crassipes Dietel & Neger^T

on *Rumex* sp.; **Tucumán:** El Manantial, Fac. de Agronomía, 10 Oct 1999, J.R.Hernández 99-010 (BPI 841278) [II].

PORTULACACEAE

Puccinia leptochloae Arthur & Fromme^{JT}

on *Talinum paniculatum* (Jack.) Gaertn.; **Jujuy:** road to Parque Nacional Calilegua, 8 Dec 1997, J.R.Hernández 97-177 (BPI 841265) [0-I]. **Tucumán:** Dept. Capital, 12 Mar 1997, M.de la Vega s.n. (BPI 841249) [0-I].

PTERIDACEAE

Desmella anemiae Syd. & P. Syd.^A

on *Pteris deflexa* Link.^A; **Tucumán:** SW of J.B. Alberdi, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-005 (BPI 841164) [II].

on *Pteris* sp.^{AR}; **Tucumán**: J.B. Alberdi, S of Escaba Dike, 28 Nov 1997, J.R.Hernández 97-110 (BPI) [III].

RANUNCULACEAE

Bacodromus ranunculi J.R. Hern. & J.F. Hennen
on *Ranunculus flagelliformis* Sm.; **Catamarca**: Dept. Ambatos, El Rodeo, 23 Sep 1997, J.F.Hennen & J.R.Hernández 97-046 (BPI 841190) [III]; Dept. Ambatos, El Rodeo, 14 Nov 1999, J.R.Hernández 99-008 (BPI 746516) [III].

Puccinia recondita Roberge ex Desm.

on *Clematis montevidensis* Spreng.^S; **Catamarca**: El Rodeo, 29 Nov 1997, J.R.Hernández 97-124 (BPI) [0]. **Tucumán**: Alta Gracia, 19 Nov 1997, J.R.Hernández 97-091 (BPI) [0-I]; El Corte, 15 Feb 1995, J.R.Hernández 95-068 (BPI 841100) [0-I]; El Siambón, river next to monastery, 3 Nov 1997, J.R.Hernández 97-148 (BPI) [0]; J.B. Alberdi, road to Escaba, bank of creek, 28 Nov 1997, J.R.Hernández 97-101 (BPI) [0-I]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-081 (LIL 54895, BPI) [0-I]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F. Hennen & J.R.Hernández 93-087 (LIL 54894, BPI) [0-I].

on *Clematis sericea* Michx.^S; **Tucumán**: San Javier, Parque Sierras de San Javier, La Cascada, 29 Mar 1996, J.R.Hernández 96-016 (BPI 841123) [0-I].

RHAMNACEAE

Phakopsora zizyphi-vulgaris Dietel^A

on *Zizyphus mistol* Griseb.^S; **Tucumán**: Las Cejas, 30 Mar 1993, J.F.Hennen & J.R. Hernández 93-079 (LIL 54896, BPI 841006) [II].

ROSACEAE

Frommeella mexicana var. *indicae* J.W. McCain & J.F. Hennen^A

on *Duchesnea indica* (Andrews) Focke^A; **Buenos Aires**: Ensanada, date ?, G.A.Costa & B.L.Ronco s.n. [II]. **Salta**: Dept. Santa Victoria, Los Toldos, 28 Jun 1996, J.R. Hernández 96-035 (BPI 841133) [II-III]. **Tucumán**: Dept. Trancas, El Potrero, 28 Oct 1996, J.R.Hernández 96-068 (BPI) [II]; Dept. Trancas, El Potrero, 28 Oct 1996,

J.R.Hernández 96-067 (BPI 841146) [III]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-095 (LIL 54898, BPI) [II]; Raco, 3 Nov 1997, J.R.Hernández 97-140 (BPI) [III]; Road to Balcozna, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-014 (BPI 841170) [III]; San Javier, 27 Mar 1993, J.F.Hennen, L.D. Plover & J.R.Hernández 93-038 (LIL 54897, BPI) [II]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-157 (LIL 54899, BPI 841072) [III].

Gerwasia imperialis (Speg.) J.C. Lindq.

on *Rubus boliviensis* Focke^A; **Tucumán**: Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R. Hernández 94-085 (LIL 54902, BPI) [I-III]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Plover & J.R. Hernández 93-030A (LIL 54903, BPI 840998B) [0-I]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Plover & J.R.Hernández 93-026 (BPI) [0-I-III]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Plover & J.R.Hernández 93-037 (LIL 54901, BPI) [II].

on *Rubus imperialis* Cham. & Schltdl.; **Salta**: camino de corniza between Salta and Jujuy, 7 Dec 1997, J.R.Hernández 97-174 (BPI) [0-I]; Dept. Santa Victoria, Los Toldos, El Nogalal, 29 Jun 1996, J.R. Hernández 96-045 (BPI) [0-I-II-III]; Dept. Santa Victoria, Los Toldos, El Nogalal, 29 Jun 1996, J.R.Hernández 96-046 (BPI) [0-I-III].

Tucumán: El Siambón, river next to monastery, 3 Nov 1997, J.R.Hernández 97-146 (BPI 841244) [0-I]; Horco Molle, 14 Nov 1997, J.R.Hernández 97-138 (BPI) [0-I-III].

Kuehneola loeseneriana (Henn.) H.S. Jacks. & Holw.

on *Rubus boliviensis* Focke^A; **Tucumán**: San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Plover & J.R. Hernández 93-030 (LIL 54900, BPI 840998A) [0-I-II-III].

Phragmidium mucronatum (Pers.) Schlecht.^S

on *Rosa* sp.; **Salta**: Dept. Santa Victoria, Los Toldos, 28 Jun 1996, J.R.Hernández 96-036 (BPI 841134) [II-III].

Phragmidium tuberculatum J. Müller^I

on *Rosa* sp.; **Tucumán**: Dept. Capital, 17 Dec

1995, *J.R.Hernández* 95-091 (BPI 841113) [II].

- Tranzschelia discolor** (Fuckel) Tranzschel & Litv.^S
on *Prunus armeniaca* L.; **Salta:** Dept. Santa Victoria, Los Toldos, 28 Jun 1996, *J.R.Hernández* 96-029 (BPI) [II-III]. **Tucumán:** Raco, 23 Apr 1996, *J.R.Hernández* 96-026 (BPI 841130) [II-III].
on *Prunus domestica* L.; **Salta:** Dept. Santa Victoria, Los Toldos, 28 Jun 1996, *J.R.Hernández* 96-034 (BPI) [II]. **Tucumán:** Dept. Capital, 10 Apr 1996, *J.R.Hernández* 96-083 (BPI 841154) [II]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, *J.R.Hernández* 94-147 (LIL 54904, BPI) [II-III].
on *Prunus persica* (L.) Batsch; **Salta:** Dept. Santa Victoria, La Misi n, 30 Jun 1996, *J.R.Hernández* 96-060 (BPI) [II-III]; Dept. Santa Victoria, Los Toldos, 28 Jun 1996, *J.R.Hernández* 96-030 (BPI) [II]. **Tucumán:** El Corte, 15 Nov 1997, *J.R.Hernández* 97-083 (BPI 841209) [II]; Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, *J.F.Hennen*, *M.M.Hennen* & *J.R.Hernández* 94-093 (LIL 54906, BPI) [II-III]; San Javier, 27 Mar 1993, *J.F.Hennen*, *L.D.Ploper* & *J.R.Hernández* 93-021 (LIL 54905, BPI) [II].

RUBIACEAE

Uredo sp.^N

- on *Psychotria carthagenensis* Jacq.; **Tucumán:** El Corte, 15 Nov 1997, *J.R.Hernández* 97-084 (BPI 841210) [II]; El Corte, 27 Mar 1993, *J.F.Hennen*, *L.D.Ploper* & *J.R.Hernández* 93-002 (LIL 54907, BPI) [II]; Horco Molle, 14 Nov 1997, *J.R.Hernández* 97-133 (BPI 841236) [II]; Horco Molle, Parque Sierras de San Javier, 29 Mar 1996, *J.R.Hernández* 96-021 (BPI 841127) [II]; Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, *J.F.Hennen*, *M.M.Hennen* & *J.R.Hernández* 94-089 (LIL 54908, BPI) [II].

Uromyces holmbergii Speg.^T

- on *Diodia dasycephala* Cham. & Schltdl.; **Tucumán:** El Corte, 15 Feb 1995, *J.R.Hernández* 95-064 (BPI 841097) [II-III]; San Pedro, 16 Mar 1996, *O.Baino* s.n. (BPI 841150) [II-III]; Ta   del Valle, 6 Apr 1993, *J.F.Hennen* & *J.R.Hernández* 93-124 (LIL 54909, BPI) [II-III].

SALICACEAE

Melampsora epitea (Kunze & J.C. Schmidt) Th  m.^A

- on *Salix babylonica* L.^{AR}; **Salta:** Cafayate, 8 Apr 1994, *J.F.Hennen*, *M.M.Hennen* & *J.R.Hernández* 94-097 (LIL 54914, BPI 841039) [II]; Met  n, 2 Apr 1993, *J.F.Hennen* & *L.D.Ploper* 93-112 (LIL 54911, BPI) [II]. **Tucum  n:** Dept. Capital, 27 Mar 1993, *J.F.Hennen*, *L.D.Ploper* & *J.R.Hernández* 93-041A (LIL 54910, BPI) [II]; Dept. Capital, 4 Apr 1994, *J.F.Hennen* & *J.R.Hernández* 94-081 (LIL 54913, BPI) [II]; San Pedro de Colalao, 3 Apr 1994, *J.F.Hennen* & *M.M.Hennen* 94-079 (LIL 54912, BPI) [II].
on *Salix caprea* L.^{AR}; **Tucum  n:** Dept. Capital, 17 Dec 1995, *J.R.Hernández* 95-096 (BPI 841115) [II].
on *Salix humboldtiana* Willd.^{AR}; **Tucum  n:** San Javier, 27 Mar 1993, *J.F.Hennen*, *L.D.Ploper* & *J.R.Hernández* 93-020 (LIL 54915, BPI) [II]; San Pedro de Colalao, 2 Apr 1994, *J.F.Hennen* & *M.M.Hennen* 94-078 (LIL 54916, BPI) [II].

Melampsora larici-populina Kleb.^S

- on *Populus nigra* L.; **Salta:** Cafayate, 8 Apr 1994, *J.F.Hennen*, *M.M.Hennen* & *J.R.Hernández* 94-100 (LIL 54917, BPI 841041) [II].
on *Populus* sp.; **Santa Fe:** 1941, *J.R.Weir* s.n. [II].

Melampsora medusae Th  m.

- on *Populus* sp.; **Buenos Aires:** La Plata, Dec 1923, *J.R.Weir* s.n. [II]; Buenos Aires, S.A., 25 Dec 1923, *J.R.Weir* s.n. [II].

Melampsora populnea (Pers.) P. Karst.

- on *Populus alba* L.; **Buenos Aires:** La Plata, Dec 1923, *J.R.Weir* s.n. [II]; **C  rdoba:** Capital, 9 Nov 1997, *J.R.Hernández* 97-069 (BPI 841202) [II]; Santa Fe, 1941, *E.Schiel* s.n. [II].

SAPINDACEAE

Puccinia arechavaletae Speg.^T

- on *Serjania marginata* Casar.^S; **Tucum  n:** El Corte, 27 Mar 1993, *J.F.Hennen*, *L.D.Ploper* & *J.R.Hernández* 93-005 (LIL 54918, BPI 840993) [M-III].

Skierka sp.^N

- on *Cupania vernalis* Cambess.^A; **Tucum  n:** Dept. Trancas, Rt. 9, km 1364, 26 Oct 1995, *J.R.Hernández* 95-056 (BPI) [II-III]; El Corte, 27 Mar 1993, *J.F.Hennen*, *L.D.Ploper* & *J.R.Hernández* 93-004 (LIL 54919, BPI)

[III]; Horco Molle, 14 Nov 1997, J.R. Hernández 97-135 (BPI 841238) [III].

SCROPHULARIACEAE

Uredo sibthorpiac J.C. Lindq.

on *Sibthorpia conspicua* Diels; **Tucumán:** Yerba Buena, 15 Feb 1996, J.R. Hernández 96-084 (BPI 841155) [III].

SOLANACEAE

Aecidium sp.^N

on *Solanum riparium* Pers.; **Salta:** Quebrada de San Lorenzo, 6 Dec 1997, J.R. Hernández 97-164 (BPI 841260) [0-I]. **Tucumán:** J.B. Alberdi, road to Escaba, shrine, 28 Nov 1997, J.R. Hernández 97-105 (BPI 841222) [0-I].

on *Solanum tucumanense* Griseb.; **Salta:** road to Parque del Rey, 6 Dec 1997, J.R. Hernández 97-159 (BPI 841255) [0-I].

on *Vassobia breviflora* (Sendtner) Hunz.; **Catamarca:** El Portezuelo, 30 Nov 1997, J.R. Hernández 97-128 (BPI) [I]; El Rodeo, 29 Nov 1997, J.R. Hernández 97-125 (BPI 841230) [0-I].

Aecidium sp.

on *Cestrum parqui* L'Hér.; **Tucumán:** San Miguel de Tucumán, 15 Aug 1995, J.R. Hernández 95-085 (BPI 841110) [III].

Chrysocyclus cestri (Dietel & Henn.) Syd.

on *Cestrum strigilatum* Ruiz & Pav.; **Tucumán:** 19.5 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F. Hennen, L.D. Plover & J.R. Hernández 93-012 (LIL 54922, BPI) [III]; Dept. Trancas, Rt. 9, km 1364, 26 Oct 1995, J.R. Hernández 95-057 (BPI) [III]; El Corte, 27 Mar 1993, J.F. Hennen, L.D. Plover & J.R. Hernández 93-003 (LIL 54921, BPI) [III-IV]; Horco Molle, 14 Nov 1997, J.R. Hernández 97-131 (BPI 841235) [III]; Horco Molle, 17 Sep 1997, J.R. Hernández 97-081 (BPI) [III]; Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-090 (LIL 54923, BPI) [III]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R. Hernández 94-145 (LIL 54924, BPI 841068) [III].

Endophyllum pampeanum (Speg.) J.C. Lindq.

on *Salpichroa organifolia* (Lam.) Baill.; **Catamarca:** Dept. Ambatos, El Rodeo, 23

Sep 1997, J.F. Hennen & J.R. Hernández 97-047 (BPI) [III]; Dept. Ambatos, El Rodeo, El Nogalal, 23 Sep 1997, J.F. Hennen & J.R. Hernández 97-048 (BPI) [III]; Los Altos, 15 Dec 1975, A. Villegas s.n. [III]. **Tucumán:** Dept. Trancas, Rt. 9, km 1364, 26 Oct 1995, J.R. Hernández 95-054 (BPI) [III].

Puccinia araucana Dietel & Neger

on *Cestrum* sp.; **Salta:** camino de corniza between Salta and Jujuy, 7 Dec 1997, J.R. Hernández 97-176A (BPI 841264) [I]. **Tucumán:** San Pedro de Colalao, 1 Apr 1994, J.F. Hennen & M.M. Hennen 94-052 (LIL 54920, BPI) [I].

Puccinia incondita Arthur^A

on *Solanum abutiloides* (Griseb.) Bitter & Lillo; **Tucumán:** San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R. Hernández 94-142 (LIL 54928, BPI 841066) [III].

Puccinia negeriana Dietel

on *Lycopersicon esculentum* Mill.; **Tucumán:** Jun 1987, L.D. Plover s.n. (LIL 54925, BPI 840989) [M-III].

Puccinia pampeana Speg.

on *Salpichroa organifolia* (Lam.) Baill.; **Tucumán:** El Manantial, 31 Mar 1994, J.R. Hernández 94-166 (BPI) [III-III]; Horco Molle, 13 Sep 1997, J.R. Hernández 97-066 (BPI 841200) [III-III]; Horco Molle, 17 Sep 1997, J.R. Hernández 97-077 (BPI 841206) [III-III]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F. Hennen & J.R. Hernández 93-094 (LIL 54926, BPI) [III-III].

Puccinia paradoxapoda Speg.

on *Grabowskia schizocalyx* Dammer; **Salta:** Cafayate, 9 Apr 1994, J.F. Hennen, M.M. Hennen & J.R. Hernández 94-119 (LIL 54927, BPI 841051) [II-III].

Uromyces cestri Mont.

on *Cestrum lorentzianum* Griseb.; **Catamarca:** El Rodeo, 29 Nov 1997, J.R. Hernández 97-122 (BPI) [II]; N of Catamarca, 22 Sep 1997, J.F. Hennen & J.R. Hernández 97-020 (BPI 841174) [II]. **Tucumán:** Alta Gracia, 19 Nov 1997, J.R. Hernández 97-090 (BPI) [III]; Dept. Trancas, 27 Oct 1995, J.R. Hernández 95-060 (BPI) [III]; San Pedro de Colalao, 31 Mar 1994, J.F. Hennen & M.M. Hennen 94-045 (LIL 54937, BPI) [II].

on *Cestrum parqui* L'Hér.; **Salta:** Cafayate, 8

Apr 1994, J.F.Hennen & J.R.Hernández 94-099 (LIL 54929, BPI) [II-III]; Cafayate, 8 Apr 1994, J.F.Hennen & J.R.Hernández 94-099B (LIL 54931, BPI) [II]; Cafayate, 8 Apr 1994, J.F.Hennen & J.R.Hernández 94-099A (LIL 54930, BPI 841040) [II-III].

Tucumán: Dept. Capital, 15 Dec 1990, J.R.Hernández 90-002 (BPI) [II].

on *Cestrum* sp.; **Salta:** camino de corniza between Salta and Jujuy, 7 Dec 1997, J.R.Hernández 97-176 (BPI) [II]. **Tucumán:** Cevil Pozo, 12-15 km E of San Miguel de Tucumán, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-053 (LIL 54934, BPI) [II]; Cruz Alta, San Agustín, 30 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-033 (LIL 54936, BPI) [II]; Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-091B (LIL 54733, BPI) [II]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-067 (LIL 54935, BPI) [II]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-023 (LIL 54932, BPI) [II]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-041 (LIL 54933, BPI) [II]; SW of J.B. Alberdi, 22 Sep 1997, J.F.Hennen & J.R.Hernández 97-003 (BPI 841162) [II-III].

THELYPTERIDACEAE

Desmella anemiae Syd. & P. Syd.^A

on *Thelypteris quadrangularis* (Fée) Schelpe^A; **Tucumán:** El Corte, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-001 (LIL 54938, BPI) [III]; Horco Molle, 17 Sep 1997, J.R.Hernández 97-076 (BPI) [II]; Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-084 (LIL 54940, BPI) [II]; San Javier, Parque Sierras de San Javier, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-031 (LIL 54939, BPI) [II].

on *Thelypteris* sp.^A; **Tucumán:** Horco Molle, 14 Nov 1997, J.R.Hernández 97-137 (BPI 841239) [II-III].

TILIACEAE

Puccinia triumfettae Dietel & Holw.^A

on *Triumphetta* sp.^A; **Tucumán:** Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-083 (LIL 54942, BPI 841036) [III]; Tafí del Valle, 6 Apr 1993, J.F.Hennen & J.R.Hernández 93-121 (LIL 54941, BPI) [III].

VALERIANACEAE

Accidium sp.

on *Valeriana* sp.^A; **Tucumán:** J.B. Alberdi, road to Escaba, bank of creek, 28 Nov 1997, J.R.Hernández 97-102 (BPI 841220) [0].

VERBENACEAE

Prosopidium lippiae (Speg.) Arthur^{S,T}

on *Aloysia gratissima* (Gillies & Hook.) Tronc.; **Tucumán:** Monte Redondo, 31 Mar 1996, J.R.Hernández 96-088 (BPI 841157) [II].

on *Aloysia polystachia* (Griseb.) Moldenke; **Salta:** Cafayate, 8 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-098 (LIL 54945, BPI) [II-III]. **Tucumán:** Alderetes, 30 Mar 1993, J.R.Hernández 93-070 (LIL 54944, BPI) [II]; Dept. Capital, 17 Aug 1994, J.R.Hernández 94-136 (LIL 54946, BPI 841062) [II-III]; Dept. Capital, 15 Dec 1996, N.Cantón s.n. (BPI) [II].

on *Aloysia* sp.; **Tucumán:** Cruz Alta, San Agustín, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-058 (LIL 54950, BPI) [II]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-063 (LIL 54952, BPI) [II]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-080 (LIL 54947, BPI) [II-III]; Las Cejas, 30 Mar 1993, J.F.Hennen & J.R.Hernández 93-062 (LIL 54951, BPI) [II]; NW of San Miguel de Tucumán, 31 Mar 1993, J.F.Hennen & J.R.Hernández 93-084 (LIL 54953, BPI) [II].

on *Aloysia virgata* (Ruiz & Pav.) Juss.^{AR}; **Salta:** Metán, 2 Apr 1993, J.F.Hennen & L.D.Ploper 93-104 (LIL 54948, BPI) [II]. **Tucumán:** Cruz Alta, San Agustín, 30 Mar 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-032 (LIL 54949, BPI 841023) [II-III].

Puccinia lantanae Farl.

on *Lantana* sp.; **Tucumán:** 22 km W of San Miguel de Tucumán, mtn, 27 Mar 1993, J.F.Hennen, L.D.Ploper & J.R.Hernández 93-017 (LIL 54955, BPI 840994) [III]; El

- Manantial, 15 May 1996, J.R.Hernández 96-094 (BPI) [III]; San Javier, Parque Sierras de San Javier, 23 Jul 1994, J.R.Hernández 94-163 (LIL 54956, BPI 841073) [III].
- on *Lippia alba* (Mill.) N.E.Br.^s; **Tucumán:** Dept. Capital, 14 May 1995, J.R.Hernández 95-049 (BPI 841090) [III].
- on *Lippia* cf. *turnerifolia* Cham.^s; **Tucumán:** Dept. Trancas, 5 May 1995, J.R.Hernández 95-002 (BPI 841078) [III].
- on *Lippia grisebachiana* Moldenke^s; **Salta:** Dept. Santa Victoria, La Misi6n, 30 Jun 1996, J.R.Hernández 96-062C (BPI 841144) [III]. **Tucumán:** San Pedro de Colalao, 1 Apr 1994, J.F.Hennen & M.M.Hennen 94-057 (LIL 54954, BPI) [III].
- on *Lippia modesta* Briq.^s; **Tucumán:** J.B. Alberdi, road to Escaba, 28 Nov 1997, J.R.Hernández 97-100 (BPI) [III].
- on *Lippia* sp.; **Salta:** Dept. Santa Victoria, La Misi6n, 30 Jun 1996, J.R.Hernández 96-062A (BPI) [III]. **Tucumán:** J.B. Alberdi, road to Escaba, shrine, 28 Nov 1997, J.R.Hernández 97-104 (BPI) [III].
- on *Lippia turbinata* Griseb.; **Tucumán:** Dept. Trancas, Vipos, 30 Mar 1995, J.R.Hernández 95-045 (BPI 841088) [III].

VITACEAE

Endophyllum circumscriptum Whetzel & Olive var. **catamarcensis** J.C Lindq.[†]

- on *Cissus sicyoides* L.^A; **Tucumán:** Horco Molle, Parque Sierras de San Javier, 6 Apr 1994, J.F.Hennen, M.M.Hennen & J.R.Hernández 94-086 (LIL 54957, BPI) [III].

NEW RECORDS

New rust species (N):

Aecidium sp. (on *Dyschoriste* sp.), *Aecidium* sp. (on *Solanum riparium* Pers., *Solanum tucumanense* Griseb., *Vassobia breviflora* (Sendtner) Hunz.), *Cerotelium* sp. (on *Ruprechtia apetala* Wedd., *Ruprechtia laxiflora* Meisn., *Ruprechtia* sp.), *Endophyllum* sp. (on *Fuchsia boliviana* Carrière), *Puccinia* sp. (on *Vernonia fulva* Griseb., *Vernonia* sp.), *Puccinia* sp. (on *Vernonia squamosa* Gardner), *Puccinia* sp. (on *Ichnanthus minarum* (Nees) Döll), *Skierka* sp. (on *Cupania vernalis* Cambess.), *Uredo* sp. (on *Psychotria carthagenensis* Jacq.), *Ypsilospora* sp. (on *Inga edulis* Mart.).

New rust records for Argentina (A):

Aecidium tournefortiae Henn., *Catenulopsora praelonga* (Speg.) Buriticá, *Cionothrix praelonga* (G. Winter) Arthur, *Coleosporium vernoniae* Berk. & M.A. Curtis, *Desmella anemiae* Syd. & P.Syd., *Edythea quitensis* (Lagerh.) H.S.Jackson & Holw., *Frommeella mexicana* var. *indicae* J.W. McCain & J.F. Hennen, *Melampsora epitea* (Kunze & J.C. Schmidt) Thüm., *Melampsoridium hiratsukanum* S. Ito ex Hirats. f., *Phakopsora meibomiae* (Arthur) Arthur, *Phakopsora neocherimoliae* (Cummins) Buriticá & J.F. Hennen, *Phakopsora nishidana* S. Ito, *Phakopsora zizyphi-vulgaris* Dietel, *Phragmopyxis deglubens* (Berk. & M.A. Curtis) Dietel in Engl. & Prantl, *Physopella compressa* (Mains) Cummins & Ramachar, *Prospodium pithecoctenii* (Pazschke) Cummins, *Prospodium singeri* Petr., *Puccinia aristidae* Tracy var. *chaetaria* Cumms. & Husain, *Puccinia bergii* Speg., *Puccinia calcitrapae* DC. var. *centaureae* (DC.) Cummins, *Puccinia chaetochloae* Arthur, *Puccinia cnici-oleracei* Pers., *Puccinia commelinae* Holw., *Puccinia cordiae* Arthur, *Puccinia coronata* Corda var. *rangiferina* (S. Ito) Cummins, *Puccinia exornata* Arthur, *Puccinia hyptidis-*

mutabilis Mayor, *Puccinia inclita* Arthur, *Puccinia incondita* Arthur, *Puccinia lateripes* Berk. & Ravenel, *Puccinia levis* (Sacc. & Bizz.) Magnus var. *panici-sanguinalis* (Rangel) Ramachar & Cummins, *Puccinia ocellifera* Cummins, *Puccinia pelargonii-zonalis* Doidge, *Puccinia proluviosa* H.S. Jacks. & Holw., *Puccinia rata* H.S. Jacks. & Holw., *Puccinia tanacetii* DC. var. *tanacetii*, *Puccinia thunbergiae* Cooke, *Puccinia triumfettae* Dietel & Holw., *Puccinia unicolor* Arthur, *Ravenelia cohniana* Henn., *Ravenelia echinata* Lagerh. & Dietel var. *ectypa* (Arthur & Holw.) Cummins, *Ravenelia macrocarpa* Syd. & P. Syd., *Uromyces aspidiae* H.S. Jacks. & Holw., *Uromyces castaneus* P. Syd. & Syd., *Uromyces celosiae* Dietel & Holw., *Uromyces dietelianus* Pазsche, *Uromyces dolichosporus* Dietel & Holw., *Uromyces iresines* Lagerh. ex Syd. & P. Syd., *Uromyces orbicularis* Dietel, *Uromyces* sp., *Uromyces transversalis* (Thüm.) G. Winter.

New host plant genus for this rust worldwide (G):

Anadenanthera sp. (*Ravenelia cebil* Speg.), *Chaetothylax umbrosus* Nees (*Puccinia justiciae* Puttemans), *Dyschoriste* sp. (*Aecidium* sp.), *Ruprechtia apetala* Wedd. (*Cerotelium* sp.), *Ruprechtia laxiflora* Meisn. (*Cerotelium* sp.), *Ruprechtia* sp. (*Cerotelium* sp.).

New host plant species for this rust worldwide (S):

Athyrium lilloi (Hicken) Alston (*Desmella anemiae* Syd. & P. Syd.), *Baccharis latifolia* Lem. (*Puccinia colossea* Speg.), *Calliandra formosa* (Kunth) Benth. (*Ravenelia echinata* Lagerh. & Dietel var. *ectypa* (Arthur & Holw.) Cummins), *Canna compacta* Roscoe (*Puccinia thaliae* Dietel), *Chamissoa altissima* (Jacq.) Kunth (*Uromyces celosiae* Dietel & Holw.), *Clematis montevidensis* Spreng. (*Puccinia recondita* Roberge ex Desm.), *Clematis sericea* Michx. (*Puccinia recondita* Roberge ex Desm.), *Cologania ovalifolia* Kunth (*Phakopsora meibomiae* (Arthur) Arthur), *Coursetia brachyrhachis* Harms (*Phragmopyxis deglubens* (Berk. & M.A. Curtis) Dietel in Engl. & Prantl), *Desmodium subsericeum* Malme (*Uromyces orbicularis* Dietel), *Echinochloa crusgavonis* (Kunth) Schult. (*Puccinia abnormis* Henn.), *Grabowskia schizocalyx* Dammer (*Puccinia paradoxapoda* Speg.), *Iresine diffusa* Humb. & Bonpl. ex Willd. var. *diffusa* (*Uromyces iresines* Lagerh. ex Syd. & P. Syd.), *Janusia guaranitica* (H. St.-Hil.) A. Juss. (*Puccinia heteropteridis* Thüm.), *Lippia alba* (Mill.) N.E.Br. (*Puccinia lantanae* Farl.), *Lippia* cfr. *turnerifolia* Cham. (*Puccinia lantanae* Farl.), *Lippia grisebachiana* Moldenke (*Puccinia lantanae* Farl.), *Lippia modesta* Briq. (*Puccinia lantanae* Farl.), *Lonchocarpus lilloi* (Hassl.) Burkart (*Ravenelia lonchocarpiicola* Speg.), *Mimosa debilis* Humb. & Bonpl. ex Willd. var. *debilis* (*Ravenelia mimosae-sensitivae* Henn.), *Parapiptadenia excelsa* (Griseb.) Burkart (*Ravenelia papillosa* Speg.), *Pavonia malvacea* (Vell.) Krapov. & Cristoval (*Catenulopsora praelonga* (Speg.) Buriticá), *Ruellia ciliatiflora* Hook. (*Puccinia lateripes* Berk. & Ravenel), *Ruellia erythropus* (Nees) Lindau (*Puccinia* sp.),

Salvia rypara Briq. (*Puccinia farinacea* Long), *Senecio bravensis* Cabrera (*Coleosporium tussilaginis* (Pers.) Lév.), *Senecio cremeiflorus* Mattf. (*Coleosporium tussilaginis* (Pers.) Lév.), *Senecio otopterus* Griseb. (*Coleosporium tussilaginis* (Pers.) Lév.), *Senecio peregrinus* Griseb. (*Puccinia proluviosa* H.S. Jacks. & Holw.), *Senna subulata* (Griseb.) H.S. Irwin & Barneby (*Ravenelia macrocarpa* Syd. & P. Syd.), *Serjania marginata* Casar. (*Puccinia arechavaletae* Speg.), *Simsia dombeyana* DC (*Puccinia enceliae* Dietel & Holw. var. *aemulans* (Syd. & P. Syd.) Parmelee), *Solanum abutiloides* (Griseb.) Bitter & Lillo (*Puccinia incondita* Arthur), *Solanum riparium* Pers. (*Aecidium* sp.), *Solanum tucumanense* Griseb. (*Aecidium* sp.), *Stachys gilliesii* Benth. (*Puccinia pallidissima* Speg.), *Tarasa jorgensenii* (I.M. Johnst.) Krapov. (*Puccinia platyspora* (Speg.) H.S. Jacks. & Holw.), *Tournefortia rubicunda* DC. (*Uromyces dolichosporus* Dietel & Holw.), *Tripogandra elongata* (G. Mey.) Woodson (*Puccinia commelinae* Holw.), *Vassobia breviflora* (Sendtner) Hunz. (*Aecidium* sp.), *Vernonia fulta* Griseb. (*Puccinia* sp. A), *Vernonia remotiflora* Rich. (*Puccinia cnici-oleracei* Pers.), *Vernonia saltensis* Hieron. (*Puccinia cnici-oleracei* Pers., *Puccinia rata* H.S. Jacks. & Holw.), *Wedelia saltensis* Cabrera (*Uromyces aspiliae* H.S. Jacks. & Holw.), *Zizyphus mistol* Griseb. (*Phakopsora zizyphi-vulgaris* Dietel).

New host plant species for any rust in Argentina (A):

Alcea rosea L. (*Puccinia platyspora* (Speg.) H.S. Jacks. & Holw.), *Alcea* sp. (*Puccinia platyspora* (Speg.) H.S. Jacks. & Holw.), *Alnus acuminata* Kunth (*Melampsoridium hiratsukanum* S. Ito ex Hirats. f.), *Bauhinia forficata* Link (*Uromyces dietelianus* Pазsche), *Carthamus tinctorius* L. (*Puccinia calcitrapae* DC. var. *centaureae* (DC.) Cummins), *Cissus sicyoides* L. (*Endophyllum circumscriptum* Whetzel & Olive var. *catamarcensis* J.C. Lindq.), *Cucurbitella cucumifolia* (Griseb.) Cogn. (*Uromyces novissimus* Speg.), *Cupania vernalis* Cambess. (*Skierka* sp.), *Desmodium purpureum* Hook. & Arn. (*Uromyces orbicularis* Dietel), *Desmodium purpureum* Hook. & Arn. (*Uromyces castaneus* P. Syd. & Syd.), *Dichondra sericea* Sw. (*Puccinia dichondrae* Mont.), *Duchesnea indica* (Andrews) Focke (*Frommeella mexicana* var. *indicae* J.W. McCain & J.F. Hennen), *Gladiolus* sp. (*Uromyces transversalis* (Thüm.) G. Winter), *Hydrocotyle bonariensis* Comm. ex Lam. (*Puccinia hydrocotyles* Cooke), *Ichnanthus minarum* (Nees) Döll (*Puccinia* sp. B, *Puccinia inclita* Arthur, *Puccinia levis* (Sacc. & Bizz.) Magnus var. *panici-sanguinalis* (Rangel) Ramachar & Cummins), *Leptochloa mucronata* (Michaux) Kunth (*Puccinia leptochloae* Arthur), *Mikania micrantha* Kunth (*Puccinia spegazzinii* De Toni), *Pelargonium hortorum* L.H. Bailey (*Puccinia pelargonii-zonalis* Doidge), *Poiretia tetraphylla* (Prior.) Burkart (*Puccinia bergii* Speg.), *Pteris deflexa* Link (*Desmella anemiae* Syd. & P. Syd.), *Rubus boliviensis* Focke (*Gerwasia imperialis* (Speg.) J.C. Lindq., *Kuehneola loeseneriana* (Henn.) H.S. Jacks. & Holw.), *Senna birostris* var.

hookeriana (Gillies ex Hook. & Arn.) H.S. Irwin & Barneby (*Ravenelia macrocarpa* Syd. & P. Syd.), *Senna hookeriana* Batke (*Ravenelia macrocarpa* Syd. & P. Syd.), *Setaria lachnea* (Nees) Kunth (*Puccinia chaetochloae* Arthur), *Setaria parviflora* (Poir.) Kerguélen (*Puccinia chaetochloae* Arthur), *Sorghum cafrorum* (Thunb.) P. Beauv. (*Puccinia purpurea* Cooke), *Thelypteris quadrangularis* (Fée) Schelpe (*Desmella anemiae* Syd. & P. Syd.), *Thelypteris* sp. (*Desmella anemiae* Syd. & P. Syd.), *Tournefortia paniculata* Cham. (*Aecidium tournefortiae* Henn.), *Tripogandra* sp. (*Puccinia commelinae* Holw.), *Triumphetta* sp. (*Puccinia triumphettae* Dietel & Holw.), *Valeriana* sp. (*Aecidium* sp.).

New host plant species for which another rust was previously known from Argentina (AR):

Aloysia virgata (Ruiz & Pav.) Juss. (*Prospodium lippiae* (Speg.) Arthur), *Aristida* sp. (*Puccinia aristidae* Tracy var. *chaetaria* Cumm. & Husain), *Aspilia* sp. (*Uromyces aspiliae* H.S. Jacks. & Holw.), *Avena sativa* L. (*Puccinia coronata* Corda var. *rangiferina* (S. Ito) Cummins), *Baccharis* sp. (A) (*Puccinia exornata* Arthur), *Baccharis* sp. (B) (*Puccinia exornata* Arthur), *Baccharis lilloi* Heering (*Puccinia baccharidis* Dietel & Holw.), *Baccharis* sp. (*Puccinia unicolor* Arthur), *Chloris gayana* Kunth (*Puccinia cacabata* Arthur & Holw.), *Chrysanthemum* sp. (*Puccinia tanacetii* DC. var. *tanacetii*), *Clytostoma callistegioides* (Cham.) Bureau ex Griseb. (*Prospodium singeri* Petr.), *Digitaria insularis* (L.) Fedde (*Puccinia oahuensis* Ellis & Everh.), *Elephantopus mollis* Kunth (*Coleosporium vernoniae* Berk. & M.A. Curtis), *Eupatorium macrocephalum* Less. (*Puccinia conoclinii* Seym. in Burrill), *Eupatorium* sp. (*Cionothrix praelonga* (G. Winter) Arthur), *Hyptis mutabilis* (Rich.) Briq. (*Puccinia hyptidis-mutabilis* Mayor), *Hyptis* sp. (*Puccinia hyptidis-mutabilis* Mayor), *Inga edulis* Mart. (*Ypsilospora* sp.), *Panicum* sp. (*Puccinia levis* (Sacc. & Bizz.) Magnus var. *panici-sanguinalis* (Rangel) Ramachar & Cummins), *Paspalum* sp. (*Physopella compressa* (Mains) Cummins & Ramachar), *Pluchea* sp. (*Puccinia ocellifera* Cummins), *Pteris* sp. (*Desmella anemiae* Syd. & P. Syd.), *Salix babylonica* L. (*Melampsora epitea* (Kunze & J.C. Schmidt) Thüm.), *Salix caprea* L. (*Melampsora epitea* (Kunze & J.C. Schmidt) Thüm.), *Salix humboldtiana* Willd. (*Melampsora epitea* (Kunze & J.C. Schmidt) Thüm.), *Setaria* sp. (*Puccinia chaetochloae* Arthur), *Tradescantia* sp. (*Puccinia commelinae* Holw.).

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