

IPEF, n.25, p.47-55, 1983

Literatura Corrente

Compilado por
MARIALICE METZKER POGGIANI,
Bibliotecária

INFORMAÇÕES GERAIS

BLANK, G.B. - Writing and the forestry. Curriculum. *Journal of forestry*, Washington, 81(8):537-8, ago. 1983.

CHAVET, M.H.R. - Forestry education in France. *Journal of forestry*, Washington, 81(8):543-5, ago. 1983.

EMBRAPA/URPFCS - *Relatório de atividades 1978-82*. Curitiba, 1983. 232p.

FRYKMAN, B. - As condições de trabalho do operário florestal. *Revista da madeira*, São Paulo, 32 (380):11-5, ago. 1983.

HEINRICHS, J. - The 7 deadly sins of forestry writing. *Journal of forestry*, Washington, 81(6):380-1, jun 1983.

PASTORE JR., F. - Considerações sobre as possibilidades do Brasil sediar a organização internacional de madeiras tropicais. *Brasil florestal*, Brasília, 13(54) :29-31, abr./jun. 1983.

PETERSEN, P.V. - A cardinal rule of forestry communications. *Journal of forestry*, Washington, 81(6): 379-80, jun. 1983.

SANTOS, C.A. dos - Esboço histórico das reuniões sobre os cerrados *Documentos EMBRAPA/ CPAC*, Planaltina, (6): 1-28, set. 1982.

SILVICULTURA

ABBOTT, I. & LONERAGAN, O. - Influence of fire on growth rate, mortality, and butt damage in Mediterranean forest of Western Australia. *Forest ecology and management*, Amsterdam, 6(2) :139-53, jul. 1983.

AGREN, G.I. - Nitrogen productivity of some conifers. *Canadian journal of forest research*, Ottawa, 13(3):494-500, jun. 1983.

- ALEXANDER, R.R. - Seed: seedling ratios of Engelmann spruce after clearcutting in the Central Rocky mountains. *USDA Forest Service RM research note*, Fort Collins, (426): 1-6, mar. 1983.
- ALEXANDER, R.R. & EDMINSTER, C. B. - Engelmann spruce seed dispersal in the Central Rocky mountains. *USDA. Forest Service. RM research note*, Fort Collins, (424): 1-4, fev. 1983.
- ANDRADE, Edmundo Navarro de - *Les bois indigenes de São Paulo*. São Paulo, Secretarie de l' Agriculture, commerce et Travaux, 1916. 376p.
- AROLA, R.A. - Achieving stand management goals through forest engineering research. *Tappi journal*, Atlanta, 66(7): 59-63, jul. 1983.
- BARNETT, J.P. - Germination temperatures for container culture of southern pines *Southern journal of applied forestry*, Washington, 3(1): 13-4, fev. 1979.
- BELLEFLEUR, P. & LAROCOUE. G. - Comparaison de la croissance d'especes ligneuses en milieu ouvert et sous couvert forestier. *Canadian journal of forest research*, Ottawa, 13(3): 508-13, jun. 1983.
- BELLEFLEUR, P. & LAROCOUE. G. - Compétition pour le rayonne.ment solaire en debut de succession secondaire dans une érablière à bouleau jaune et hêtre. *Canadian journal of forest research*, Ottawa, 13(3): 514-21. jun. 1983.
- BENOIT, L.F. et alii - The influence of ozone of *Pinus strobus* L. pol. len germination *Canadian journal of forest research*, Ottawa, 13(1): 184.7. fev. 1983.
- BERGER, J.L. & KENNEDY, J.J. - Evaluation of a U.S. forest service management by objectives training session. *Forest science*, Washington, 29(2): 241-9, jun.1983.
- BINKLEY, D. & HSTED, L. - Nitrogen accretion, soil fertility, and douglas-fir nutrition in association with redstem ceanothus. *Canadian journal of forest research*. Ottawa, 13(1): 122-5, fev. 1983.
- BISHOP, L - Directory of forest managemént demonstration areas in the south. *USDA. Forest Service. SA general report*, Atlanta, (24): 1-28, set. 1982.
- BLANCHARD, R.O. SHORTLE, W.C. & DAVIS, W. - Mechanism relating cambial electrical resistance to periodic growth rate of balsam fir. *Canadian journal of forest research*, Ottawa, 13(3): 472-80, jun. 1983.
- BONNER, F. T. - Collection and care of sycamore seeds. *Southern journal of applied forestry*, Washington, 3(1): 23-5, fev. 1979
- BRIX, H. - Effects of thinning and nitrogen fertilization on growth of douglas-fir. *Canadian journal of forest research*, Ottawa, 13(1): 167-75, fev. 1983.

- BRIX, H. & MITHCELL, A.K. - Thinning and nitrogen fertilization effects on sapwood development and relationships of foliage quantity to sapwood area and basal area in douglas-fir. *Canadian journal of forest research*, Ottawa, 13(3): 384-9. jun. 1983.
- CARLSON, L.W. - Guidelines for rearing containerized conifer seedlings in the Prairie Provinces. *Information report NOR-X*, Edmonton, (124): 1.64, 1983.
- CHAMPS, J. de - La fertilisation des plantations résineuses. *Informations forêt*, Nangis, (4): 301-27, 1982.
- COOPER, C.F. - Carbon storage in I managed forests. *Canadian journal of forest research*, Ottawa, 13(1): 155-66, fev. 1983.
- COPEL, D.L. - Effects of annual crown pruning and serial propagation on rooting of stem cuttings from douglas. *Canadian journal of forest research*, Ottawa, 13(3): 419-24, jun. 1983.
- COTRUFO, C. - Xylem nitrogen as a possible diagnostic nitrogen test for loblolly pine. *Canadian journal of forest research*, Ottawa, 13(2): 355.7, abr. 1983
- DELLA.BIANCA, L. - Sixty years of stand development in a southern Appalachian cove hardwood stand. *Forest ecology an management*, Amsterdam. 5(3): 299-41, março 1983.
- DREW, A.P. - Optimizing growth and development of 2-0 douglas-fir seedlings by altering light intensity. *Canadian journal of forest research*, Ottawa, 13(3): 425-8, jun. 1983.
- DUNLAP, J.M. & BARNETT, J.P. - Influence of seed size on germination and early development of loblolly pine germinants. *Canadian journal of forest research*, Ottawa, 13(1): 40-4, fev. 1983.
- DUNLAP, J.M. & HELMS, J.A. - First year growth of planted douglas-fir and white fir seedlings under different shelterwood regimes in California. *Forest ecology and management*, Amsterdam, 6(4): 266-68, abr. 1983.
- EIS, S. & CRAIGDALLIE, D - Regeneration and growth of white spruce and alpine-fir in the interior of British Columbia. *Canadian journal of forest research*, Ottawa, 13(2): 339-43, abr. 1983.
- FFOLIOTT, P.F. & CLARY, W.P. - Understory-overstory vegetation relationships: an annotated bibliography. *USDA. Forest Service INT general technical report*, Ogden, (136): 1-139, nov. 1982.
- FLOR, H. de M. & REIS, G.M.C. - Ensaio de intensidade e aebaste com *Pinus oocarpa* Schiede, em Brasília, DF. *Brasil florestal*, Brasília, 13(64): 33-42, abr./jun, 1983.

- FORD, R.H. : SHARIK, T .L. & FERET. P.P. - Seed dispersal of the endangered virginia round-leaf birch. *Forest Ecology and management*, Amsterdam, 6(2) :116.28- jul. 1983
- GASSAMA, Y. & ARBEZ, M. - Quelques espèces méconnues... *Informations forêt*, Nangis, (4) :337-66, 1982.
- GOLDSMITH, B. & CARTER, D.T. - The indigenous timbers of Zimbabwe Research bulletin. *Zimbabwe forestry research*, Salesbury, (9): 1-406, 1981.
- HARSTELA, P. & TERVO, L. - Technology of the production of bare-root seedlings. *Communicationes Instituti Forestalis Fenniae*, Hensinki, (110): 1-61, 1983.
- HULTEN, H. - Root deformation of forest seedlings. Report. The Swedish University of Agricultural Sciences. Dept. of Forest Yield Research, Garpenberg, ,(11-106), 1982.
- IDRC - Leucaena research in the Asian Pacific region. Ottawa, 1983. 192p.
- IMAGAWA, H. & ISHIDA, S. - New Marking method by electrical stimulation for studying xylem formation: 2. *Research bulletins College Experiment Forests*, Sapporo, 40(2): 387-96, 1983.
- IMAGAWA, H. & ISHIDA, S. - New marking method by electrical stimulation for studying xylem for formation: 3. Research bulletins. College Experiment Forests, Sapporo, 40(2): 397-407, 1983.
- JENSEN, E. C. & LONG, J.N. - Crown structure of a codominant douglas-fir. *Canadian journal of forest research*, Ottawa, 13(2): 264-9, abr. 1983.
- JOHNSON, M.K. & DA VIS, L.G - Potentials for forest grazing in the southeastern United States. *The international tree crops journal*, Herts, 2(2): 121-31, 1983.
- JONES JR., E.P. - Proceedings of the second biennial southern silvicultural research conference. *USDA. Forest Service SE general technical report*. Asheville, (24): 1-514, mar. 1983.
- JORGENSEN, J.R. & CRAIG, JR. - Legumes in forestry: results of adaptability trials in the southeast. *USDA. Forest Service SE research paper*, Asheville, (237): 1-11. mar. 1983.
- KAUL, R N. - Some silvicultural aspects of sand dune afforestation. *The international tree crops journal*, Herts, 2(2): 133-46, 1983.
- KAUNISTO, S. - Development of pine plantations on drained logs as affected by some peat properties, fertilization, soil preparation and liming. *Communicationes Instituti Forestalis Fenniae*, Helsinki, (109): 1-56, 1982.
- KELLOMAKI, S. & OKER-BLOM, P. - Canopy structure and light climate in a young scots pine stand. *Silvae fennica*, Helsinki, 17(1): 1-21, 1983.

- KUKACHKA, B.F. - Wood anatomy of the neotropical sapotaceae: 31. USDA. *Forest Service FPL research paper*, Madison, (419): 1-18, out 1982.
- LEBRETON, P. & SARTRE, J. - Les pinales, considérées d'un point de vue chimio-écologique. *Canadian journal of forest research*. Ottawa, 13(1): 145-54 fev.1983.
- LORIMER, C.G. - Eighty-year development of northern red oak after partial cutting in a mixed-species Wisconsin forest. *Forest science*, Washington, 29(2): 371-83, jun. 1983.
- MCCREARY, D.D. & PERRY, D.A. - Strip thinning and selective thinning in Douglas-fir. *Journal of forestry*, Washington, 81(6): 375-7. jun. 1983.
- MCDONALD, S.E.; BOYD R.J. & SEARS, D.E. - Lifting storage, planting practices influence growth of conifer seedlings in the Northern Rockies. *USDA Forest Service INT research paper*, Ogden, (300): 1-12, jan. 1983.
- MALAC, B.F. & HEEREN, R D. Hardwood plantation management. *Southern journal of applied forestry*, Washington, 3(1): 3-6, fev. 1979.
- MEXAL, J.G.; TIMMIS, R. & MORRIS, W.G. - Cold hardiness of containerized loblolly pine seedlings. *Southern journal of applied forestry*, Washington, 3(1): 15-9, fev. 1979.
- MILLER D. R.; BERGEN, J.D & NEUROTH, G. - Cold air drainage in a narrow forested valley. *Forest science*, Washington 29 (2): 357-70, jun. 1983.
- MONTAIN. C R.; HAISSIG. B.E. & CURTIS, J.D. - Differentiation of adventitious root primordia in callus of *Pinus banksiana* seedling cuttings. *Canadian journal of forest research*, Ottawa, 13(1): 195-200, fev. 1983.
- MONTAIN, C.R.; HAISSIG. B.E. & CURTIS. J.D. - Initiation of adventitious root primordia in very young *Pinus banksiana* seedling cuttings. *Canadian journal of forest research*. Ottawa, 13(1): 191-5, fev. 1983.
- NICHOLS, T.J. & ALM, A.A. - Root development of container-reared, nursery grown and naturally regenerated pine seedlings. *Canadian journal of forest research*, Ottawa, 13(2): 239-45, abr. 1983.
- OLIVER, C D. & MURRAY, M.D. - Stand structure, thinning prescriptions and density indexes in a Douglas-fir thinning study. *Canadian journal of forest research*, Ottawa, 13(1): 126-36, fev. 1983.
- PAWUK, W.H. & BARNETT, J.P. - Seed handling practices for southern pines grown in containers. *Southern journal of applied forestry*. Washington, 3(1): 19-22, fev. 1979.
- RECKIN, J. - The orinoco nut: a promising tree crop for the tropics. *The international tree crops journal*, Herts, 2(2): 105-19, 1983.

- REHFELDT, G.E. - Adaptation of *Pinus contorta* populations to heterogenous environments in northern Idaho. *Canadian journal of forest research*, Ottawa, 13(3): 405-11, jun 1983.
- SHARIK, T. L.; ROSS, M. S. & HOPPER, G. M. - Early fruiting in chestnut oak. *Forest science*, Washington, 29(2): 221-4, jun. 1983.
- SHAW III, C.G., SIDLE, R.C. - Evaluation of planting sites common to a south east Alaska clear-cut: 2. *Canadian journal of forest research*, Ottawa, 13(1): 9-11, fev.1983
- SORENSEN, F. C. - Relationship between logarithms of chilling period and germination or bud flush rate is linear for many tree species. *Forest science*, Washington, 29(2): 237-40, jun. 1983.
- STURGESJ D.L. - Shelterbelt establishment and growth at a windswept Wyoming rangeland site. *USDA. Forest Service RM research paper*, Fort Collins, (243): 1-12, fev. 1983.
- TCACENGO, F.A. - *Hemarthrias resumos abstracts Florianópolis*, EMPASC, 1983. 166p.
- VAN DEN DRIESSCHE, R. - Growth, survival, and physiology of douglas-fir seedlings following root wrenching and fertilization. *Canadian journal of forest research*, Ottawa, 13(2): 270.8, abr. 1983.
- WINER, N. - Germination of pre-treated seed on mesquite under arid conditions in northern Sudan. *Forest ecology and management*, Amsterdam, 6(4): 307-12, abr. 1983.
- WOODARD, P.M. - Germination success of *Pinus contorta* and *Picea engelmannii* on burned seedbeds. *Forest ecology and management*, Amsterdam, 6(4): 301-6, abr. 1983.
- YANG, R.C. - Composite design versus factors al experiments in forest fertilization trials. *Canadian Journal of Forest Research*, Ottawa, 13(3): 438-44, Jun. 1983.

MELHORAMENTO FLORESTAL

- BELLEFLEUR, P. & PETILLON, Y. - Expérimentation sur la compétition interspecificque par élimination sélective d'espèces forestières. *Canadian journal of forest research*, Ottawa, 13(3): 622-32, Jun 1983.
- DU CRÓS, E.T. & LEPOUTRE, B. - Soil x provenance interaction in beech. *Forest science*, Washington, 29(2): 403-11, jun. 1983.
- EL-LAKANY, M.H. - A review of breeding drought resistant *Casuarina* for shelterbelt establishment in arid regions with special reference to Egypt. *Forest ecology and manggement*, Amsterdam, 6(2): 129-37, jul. 1983.

- EZELL, A.W. et alii - Plantation culture for energy production: the importance of within-species selection. *Wood and tiber science*, Madison, 16(1): 69-73, jan. 1983.
- FOWLER, D P. - The hybrid black x Sitka. spruce, implications to phylogeny of the genus *Picea*. *Canadian journal of forest research*, Ottawa, 13(1): 108-15, fev.1983.
- HOFF, R. J. & COFFEN, D. O. - Recommendations for selection and management of seed orchards of western pine. *USDA. Forest Service INT research note*, Ogden, (326): 1-7, dez. 1982.
- JOLY, R.J. & ADAMS. W.T. - Allozyme analysis of pitch x loblolly pine hybrids produced by supplemental mass pollination. *Forest science*, Washington, 29(1): 423-32, jun. 1983.
- MCKINLEY, C.R. & CUNNINGHAM, M.W. - Theoretical effects of seed orchard roguing on selfing and percent filled seeds. *Canadian journal of forest research*, Ottawa, 13(1): 187-90, fev. 1983.
- MOHRDIEK, O. - Discussion: future possibilities for poplar breeding. *Canadian journal of forest research*, Ottawa, 13(3): 466-71, jun.1983.
- READ, R.A. & SPRACKLING, J.A - Flowering in a ponderosa pine provenance plantation in Eastern Nebraska. *USDA. Forest Service RM research note*, Fort Collins, (423): 1-6, mar. 1983.
- SAMPAIO, A. & SUITER FILHO, V. - Sementes florestais melhoradas, *Brasil florestal*, Brasilia, 13(54): 71-3, abr./jun. 1983.

PROTEÇÃO FLORESTAL

- ALVAREZ, I.F. & TRAPPE, J.M. - Effects of application rate and cold soaking pretreatment of *Pisolithus* spores on effectiveness as nursery inoculum on western conifers *Canadian journal of forest research*, Ottawa, VCACQS ECC7- jun. 1983.
- BARANYAY, J.A.; BOURCHIER, R.J. & THOMAS, G.P. - Supplement to lectures on forest pathology. *Information report A-X*, Edmonton, (17): 1-120, 1983.
- BARNES, D.P. & SINCLAIR, S.A. - Time-related changes in specific gravity and moisture content of spruce budworm killed balsam fir. *Canadian journal of forest research*, Ottawa, 13(2): 257-63, abr.1983.
- BARRAGER, S. M.; COHAN, D. & ROUSSOPOULOS, P.J. - The economic value of improved fuels and fire behavior information. *USDA. Forest Service. RM research paper*, Fort Collins, (239): 1-32, set. 1982.

- BELLINGER, M.D.; KAISER, H.F. & HARRISON, H.A. - Economic efficiency of fire management on nonfederal forest and range lands *Journal of forestry*, Washington, 81(6): 373-5,378, jun. 1983.
- BORDEN, J.H. et alii - Semiochemicals for the mountain pine beetle in British Columbia: 2. *Canadian journal of forest research*, Ottawa, 13(2): 325-33, abr. 1983.
- BUNN, S.E. - Termite fauna of jarrah forest in the Wagerupwillowdale region, Western Australia. *Forest ecology and management*, Amsterdam, 6(2): 169-77, jul.1983.
- CHAPPELKA III, A.H. & SCHMIDT, R.A. - The phenology of inoculum production by *Cronartium quercuum* fusiforme on slash pine in North Florida and South Georgia. *Forest science*, Washington, 29(2): 253-62, jun. 1983.
- CONN, J E. et alii - Semiochemicals for the mountain pine beetle in British Columbia: 1. *Canadian journal of forest research*, Ottawa, 13(2): 320-4, abr. 1983.
- DIETERICH, J.H. - Fire history of southwestern mixed conifer: a case study. *Forest ecology and management*, Amsterdam, 6(1): 13-31, 1983.
- FOGEL, R. & HUNT, G. - Contribution of mycorrhizae and soil fungi to nutrient cycling in a douglas-fir ecosystem. *Canadian journal of forest research*, Ottawa, 13(2): 219-32, abr. 1982.
- FOSTER, G.S. & LESTER, D.T. - First-year height variation in western hemlock openpollinated families growing on four test sites *Canadian journal of forest research*, Ottawa, 13(2): 251-6, abr. 1983.
- GARDNER, A.C. - White spruce regeneration options on river flood-plains in the Yukon Territory. *Information report. BC-X*, Victoria, (240): 1-27, 1983.
- GEORGE, C.W. - Measurements of airtanker drop conditions during fire fighting operations. USDA. *Forest Service. INT research paper*, Odgen, (299): 1-10, dez. 1982.
- HALL, P.M; McLEAN, J.A. & MURTHA, P.A. - Dye-layer density analysis identifies new douglas-fir beetle attacks. *Canadian journal of forest research*, Ottawa, 13 (2): 279-82, abr. 1982.
- HARRIS, G.R. & COVINGTON, W.W. - The effect of a prescribed fire on nutrient concentration and standing crop or understory vegetation in ponderosa pine. *Canadian journal of forest research*, Ottawa, 13(3): 501-7, jun. 1983.
- HENDERSON, G.S. & GOLDING, D L. - The effect of slash burning on the water repellency of forest soils at Vancouver. *Canadian journal of forest research*, Ottawa, 13(2): 353-5, abr. 1983.

- HENDRICKSON, O. & ROBINSON, J.B. - The microbiology of forest soils: a literature review. *Information report PI-X*. Chalk River, (19): 1-75, 1983.
- HORSLEY, S.B. & MARQUIS, D.A. - Interferen by weeds and deer with Allegheny hardwood reproduction *Canadian journal of forest research*, Ottawa, 13(1): 61-9, fev. 1983.
- HUDSON, J. et alii - Prescribed burning of *Pinus oocarpa* in Honduras: 1. *Forest ecology and management*, Amsterdam, 5(4): 269-81, abr. 1983.
- HUDSON, J. et alii - Prescribed burning or *Pinus oocarpa* in Honduras: 2. *Forest ecology and management*, Amsterdam, 5(4): 283_300, abr. 1983.
- INTERNATIONAL SYMPOSIUM ON VIBRATION WHITE FINGER DISEASE. Proceedings. *Information report BC-X*, Victoria, (241): 1-23, 1983.
- JENSEN, K.F. - Growth relationships in silver seedlings rumigated with O₃ SO₂. *Canadian journal of forest research*, Ottawa, 13(2): 298-302, abr. 1983.
- LANGSTROM, B. - Abundance and seasonal activity or adult Hylobius weevils in reforestation areas during first years following final felling. *Communicationes Instituti Forestalis Fenniae*, Helsinki, (106): 1-23, 1982.
- LARSSON, S. et alii - Attacks of mountain pine beetle as related to tree vigor of ponderosa pine. *Forest science*. Washington, 29(2): 395-402, jun. 1983.
- LINDGREN, B.S. & BORDEN, J.H. - Survey and mass trapping of ambrosia beetles in timber processing areas on Vancouver Island. *Canadian journal of forest research*, Ottawa, 13(3): 481-93, jun. 1983.
- LOYTTYNIEMI, K. - Preliminary testing of the resistance of Finnish softwood timbers to macrotermitidae termites. *Silva fennica*, Helsinki, 17(1): 83-90, 1983
- LUGO, A.E. et alii - The impaci of Hurricane David on the forests of nominjca. *Canadian journal of forest research*, Ottawa, 13(2): 201-11, abr. 1983.
- MCCLURE, M.S. et alii - Control of pine bast scale in China. *Journal of forestry*, Washington, 81(7): 440, 475-8, jul. 1983.
- MCCRACKEN, F.I. & BURKHARDT, E.C. - Limiting canker disease losses of sycamore in the midsouth. *Southern journal of applied forestry*, Washington, 3(1): 26-8, fev. 1979
- MCCUNE, B. - Fire frequency reduced two orders of magnitude in the Bitterroot Canyons, Montana. *Canadian journal of forest research*, Ottawa, 13(2): 212-8, abr.1983.

- MAUFFETTE, Y.; LECHOWICZ, M.J. & JOBIN, L. Host preferences of the gypsy moth in southern Quebec. *Canadian journal of forest research*, Ottawa, 13(1): 53-60, fev.1983.
- MOLINA, R. & CHAMARD, J. - Use of the ectomycorrhizal fungus *Laccaria laccata* in forestry: 2. *Canadian journal of forest research*, Ottawa, 13(1): 89-95, fev.1983.
- MOODY, B. H. & CERZKE, H.F. - Forest insect and disease conditions in Alberta. Information report NOR.X, Edmonton, (248): 1-19, 1983.
- NICOLE, M.; NANDRIS, D. & GEIGER, J.P. - Cinétique de l'infection de plants d' *Hevea brasiliensis* var *Rigidoporus lignosus*. *Canadian journal of forest research*, Ottawa, 13(3): 359-64, jun. 1983.
- OLEMBO, T.W. - Further studies on cypress canker disease in East Africa caused by *monomhaeta unicornis*. *Forest ecology and management*, Amsterdam, 5(2): 119-31, fev. 1983.
- SEEVER, D.A.; ROUSSOPOULOS, P. J & FREELING A.N.S. - The escaped fire situation: a decision analysis approach. *USDA. Forest Service. RM research paper*, Fort Collins, (244):1-12, fev. 1983.
- SHRIMPTON, D.M. & THOMSON, A.J. - Growth characteristics of lodgepole pine associated with the start of mountain pine beetle outbreaks. *Canadian journal of forest research*, Ottawa, 13(1): 137-44, fev. 1983.
- SINGH, S.J. & HEATHER, W.A. - Sensitivity to pre-and post inoculation temperature of the reactions of *Populus Melampsora medusae*. *Forest ecology and management*, Amsterdam, 5(4): 313-23. abr.1983.
- SNELGROVE, T.A.; SNELL, J.A.K. & MAX, T.A. - Damage to National forest timber on Mount St. Helens. *Journal of forestry*, Washington, 81(6): 368-71, jun. 1983.
- STELZER, H.E. : POLK. R.B. & LOEGERING. W.Q. - Rapid method of rating forest trees for general resistance to foliar pathogens. *Forest science*. Washington, 29 (2) :215-21, jun. 1983.
- STUART, J.D. et alii - Mountain pine beetle scarring of lodgepole pine in south-central Oregon. *Forest ecology and management*, Amsterdam. 6(3): 207-14. mar.1983.
- TESORO, G.C. - Improved fire resistance for interior wood panels. *Journal of Wood chemistry and technology*, New York, 3(1): 79-94, 1983.
- THIES, W. G. - Determination of growth reduction in douglas-fir infected by *Phellinus weirii*. *Forest science*, Washington, 29(2): 306-16, jun. 1983.

VAN SICKLE, G.A.; ALFARO, R I. & THOMSON, A.J. - Douglas-fir height growth affected by western spruce budworm. *Canadian journal of forest research*. Ottawa, 13(3): 445-60, jun. 1983.

VASECHKO, G.I. - An ecological approach to forest protection. *Forest ecology and management*. Amsterdam, 5(2): 133-68, fev. 1983.

VOGT, K.A. et alii - Conifer fine root and mycorrhizal root biomass within the forest floors of douglas-fir stands of different ages and site productivities. *Canadian journal of forest research*. Ottawa, 13(3): 429-37. jun. 1983

WERNER, R.A. & HOLSTEN, E.H. Mortality of white spruce during a spruce beetle outbreak on the Kenai Peninsula in Alaska. *Canadian journal forest research*, Ottawa, 13(1): 96-101, fev. 1983.

WERNER, R.A. : ELERT, E.E. & HOLSTEN, E H. - Evaluation of beetle-killed white spruce for pulp and paper. *Canadian journal forest research*,. Ottawa, 13(2): 246-60, abr. 1983.

WICKER, E.F. & WELLS, J.M. - Intensification and lateral spread of *Arceuthobium laricis* in a young stand of western larch with stocking control. *Canadian journal of forest research*. Ottawa, 13(2): 314-9 abr. 1983.

WILKINSON, R.C. - Leader and growth characteristics of eastern white pine associated with white pine weevil attack susceptibility. *Canadian journal of forest research*, Ottawa, 13(1): 78.84, fev. 1983.

BIOMETRIA FLORESTAL

CLEMENTS. H.B. ; WARD, D.E. & ADKINS, C.W. - Measuring fire behavior with photography. *Photogrametric engineering and remote sensing*, Falls Church 49 (2): 213-7, fev. 1983.

CROPPER JR., W.P. & EWEL, K.C. - Computer simulation of longterm carhon siorage patterns in Florida slash pine plantations. *Forest ecology and management*, Amsterdam, 6(2): 101-14, jul.1983.

CROWN, T.R. - Comparing biomass regressions hy site and stand age for red maple *Canadian journal of forest reseaj.ch*, Ottawa, 13(2): 283-8, abr. 1983.

CUNIA, T. & MICHELAKACKIS, J. - On the error of tree biomass tables constructed by a two phase sampling design. *Canadian journal of forest research*, Ottawa, 13(2): 303-13. abr. 1983.

ELLER,R.C. & KEISTER, T.D. - The Breith aupt todis dendrometer: an analysis. *Southern journal of applied forestry*, Washington, 3(1): 29-32, fev. 1979.

- HALL, F.C. - Growth basal area: a field method for appraising forest site potential for stockability. *Canadian journal of forest research*, Ottawa, 13(1): 70-7, fev. 1983.
- KACHHW AHA, T .S. - Spectral signatures obtained from Landsat digital data for forest vegetation and land-use mapping in India. *Photogrammetric engineering and remote Bensing, Falls Church*, 49 (5): 685-9, mai. 1983.
- KOURTZ, P. - Minicomputer production of digital terrain models. *Canadian journal of forest research*, Ottawa. 13(2): 343-6, abr.1983.
- LAPI, J.; SMOLANDER, H. & KOTISAARI, A. - Height relascope for regeneration surveys. *Silva fennica*, Helsinki, 17(1): 77-82, 1983.
- LITTLE, S N. - Weihull diameter distributions for mixed stands of western conifers. *Canadian journal of forest research*, Ottawa, 13(1): 85-8, fev.1983.
- MCCARTHY, J.; OLSON JR., C.E. WITTER, J.A. - Assessing-spruce budworm damage with small format aerial photographs. *Canadian journal of forest research*, Ottawa, 13(3): 395-9, jun. 1983.
- MACDONALD, J.E. & POWELL, G.R. - Relationship between stump sprouting and parent-tree diameter in sugar maple in the 1st year following clear-cutting. *Canadian journal of forest research*, Ottawa, 13(3): 390-4, jun. 1983.
- MARTIN, A.J. - Optimum tree size for products having a maximum scaling diameter. *Journal of forestry*, Washington, 81(7):438-9, jul. 1983.
- MOSER JR., J.W.; HITCHCOCK, H.C. & RAUSCHER, H.M. - Microcomputers: their potential for foresters. *Journal of forestry*, Washington, 81(6): 362-4,37, jun 1983.
- MURTHA, P.A. - Some air-photo scale effects ou douglas-fir damage type interpretation, *Photoarammetric engineering and remote Bensing, Falls Church*, 49(2): 327-34, mar. 1983.
- REECE, J.W.; IFF, D.H. & SIROIS, D.L. - An inexpensive photogrammetry system for obtaining 3-D spatial coordinates in dynamic testing conditions. *Forest Sciense*, Washington, 29(2): 341-50, jun. 1983.
- ROMINGER, J.M. & PAULIK, L.A. - A florestic inventory of the plant communities of the San Francisco peaks research natural area. *USDA. Forest Service RM general technical report*, Fort Collins, (96): 1-9, mar. 1983.
- SADIQ, R.A. - Estimation of stand basal area growth and yield with a reverse logistic function. *Canadian journal of forest research*. Ottawa, 13(2): 289-97, abr. 1983.
- SADIQ, R.A. & SMITH, V.G. - Estimation of individual tree volumes with age and diameter. *Canadian journal of forest research*, Ottawa, 13(1): 32-9, fev. 1983.

SCHALLAU, C.H. & MAKI, W - Interindustry model for analysing the regional impacts of forest resource and related supply constrains. *Forest science*, Washington, 29(2): 384-94, jun. 1983.

SHARIK, T.L.; ROSS, M.S. & PRICE, A.H.A. - Microborer for extracting increment cores from small stems of woody plants. *Forest science*, Washington, 29(2): 329-31, jun. 1983.

SMITH, V .G. - Compatible basal area growth and yield models consistent with forest growth theory. *Forest science*, Washington, 29(2): 279-88, jun. 1983.

WEST, P.W. - Comparison of stand density measures in even-aged regrowth eucalypt forest of southern Tasmania. *Canadian journal of forest research*, Ottawa, 13(1): 22-31. fev. 1983.

TECNOLOGIA DOS PRODUTOS FLORESTAIS

ADAMS, A.A. - Effect of size press treatment on coating holdout. *Tappi journal*, Atlanta, 66(5): 87-91, mai. 1983.

AHRENS, F.W. - Heat transfer aspects of hotsurface drying at high temperature and mechanical loading. *Journal of pulp paper science*, Westmount, 9(3): 79-82, jul.1983.

ANAS, E.; EKMAN R. & HOLMBOM, B. - Composition of nonpolar extractives in bark of norway spruce and scots pine. *Journal of wood chemistry and technology*, New York 3(2): 119-30, 1983.

ANDERSON, S.S. & SAMUELSON, O. - Carbohydrate reactions during treatment of kraft pulp with nitrogen dioxide and oxygen. *Tappi journal*, Atlanta, 66(7): 87-9, jul.1983.

ATAK, D. et alii - Pressurized grinding of loblolly pine. *Tappi journal*, Atlanta, 66(6): 75-8, jun.1983.

BARNES JR., W.C. - Health effects of formaldehyde exposure *Tappi journal*, Atlanta, 66(5): 55-9, mai.1983.

BERNSDTSSON, S. - Redução do ruído nas fábricas de papel. *O papel*, São Paulo, 44(7): 48-52, jul. 1983.

BLUMBERG, K.M. - TMP clean steam recovery for paper drying. *Tappi journal*; Atlanta, 66(6): 69-70, jun. 1983.

BOLON, P.; SABATER, J. & BAUDUIN, S. - A contribution to the study of the stock jet as it leaves the healbox. *Tappi journal*, Atlanta, 66(5): 93-6, mai. 1983.

- BUBLITZ, W.J. & HULL, J.L. - Chemical resistance of douglas-fir for use in storage tanks. *Wood and fiber Science*, Madison 15 (1): 59-68, jan. 1983.
- BUONGIORNO, J.; FARIMANI, M. & CHUANG, W.J. - Econometric model of price formation in the United States paper and paper-board industry. *Wood and fiber Science*, Madison, 15(1): 28-39, jan. 1983.
- BYLUND, L. et alii - On-line cooking liquor analyser. *Journal of pulp and paper science*, Westmount, 9(3): 74-8, jul. 1983.
- CAWEIN, R.W. & NIN, C - Detection and analysis of generating tube thinning in recovery boilers. *Tappi journal*, Atlanta, 66(5): 61-3, mai. 1983.
- CHEN, C.L. & CHANG, H.M. - Carboxylic acids produced through oxidative cleavage of aromatic rings during degradation of lignin in spruce wood by *Phanerochaete Chrysosporium*. *Journal of wood chemistry and technology*. New York, 3(1): 35-7, 1983.
- CHEUNG C.K. & SORENSSEN, H.C. - Effect of axial loads on radial stress in curved beams. *Wood and fiber Science*, Madison, 15(3): 263-75, jul 1983.
- CHOU, J.J. & BUONGIORNO, J. - United States demand for hardwood plywood imports by country of origin. *Forest science*, Washington, 29(2): 225-37, jun. 1983.
- COTÉ, W.A. & HANNA, R.B. - Ultrastructural characteristics of wood fracture surfaces. *Wood and fiber science*, Madison, 15 (2): 135-63 abr. 1983.
- DAVIES, C.J.; BOHMER, V.J & RAUBENHEIMER S. J. -Recovering chemicals in a closed sulfite mill. *Tappi journal*, Atlanta, 66(7): 47-50, jul. 1983.
- DAVIS, E.J.; STRATTON, R.A. & CHANG, N.L. Water removal studies with the wet pressimulator. *Journal of pulp and paper science*, Westmount, 9(3): 68-73, jul.1983.
- ELDER, L.F. & BURKART, L.F. - Chemical comparison of two ecotypes of loblolly pine. *Wood and fiber science*, Madison, 15(3): 245-50, jul. 1983.
- ENGER, A. - The energy input in Norwegian forestry. *Forest science*, Washington, 29(2): 300-4, jun.1983.
- ERICSSON, E. O. & MOODY, D.M. - Operating experience with a new horizontal brownstock washer. *Tappi journal*, Atlanta, 66(7): 43-5, jul 1983.
- FAGAN, D.B. & McLAIN, T.E. - The influence of small grain angle variance on toughness. *Wood and fiber science*, Madison. 15(2): 94-101, abr. 1983.

- FAVIS, B.D.; WILLIS, J.M. & GORING, D.A.I. - The effect of electrolytes on the leaching of lignin from unbleached kraft pulp fibers. *Journal of wood chemistry and technology*, New York, 3(1): 9-16, 1983.
- FAVIS, B D.; WILLIS, J.M. & GORING, D.A.I. - Hight temperature leaching of lignin from unbleached kraft pulp fibers. *Journal of wood chemistry and technology*, New York, 3(1): 1-7, 1983.
- FERNANDES, P. de S.; BAENA, E. de S. & SUSIN, L. - Um estudo sobre o tratamento preventivo de toretes de *Pinus elliottii* contra fungos manchadores. *Revista da madeira*, São Paulo, 32(379): 6-10, jul. 1983.
- FISCUS, M. : V AN EPEREN, R.H. & EINSPAHR, D W. - Method for obtaining wood/bark adhesion measurements on small samples. *Wood and fiber science*, Madison, 15(3): 219-22, jul. 1983.
- FOELKEL, C.E.B.; CABRERA, A.C.A. & VESZ, J.B.V. - Novas formulas para dosagem de cloro ativo e soda caustica nos estágicos C E1 do branqueamento de celulose k.raft de eucalipto. *O papel*, São Paulo, 44(7): 43-7. jul. 1983.
- GERHARDS, C.C. & FLOETER. L.H. - Nodestructive evaluation of mechanical properties of a estructural flakeboard made from forest residues. *USDA. Forest Service FPL research paper*, Madison, (414): 1-17, out. 1982.
- GRAY, R.L.; RICIKEY, R.G. & HERGERT H.L - The iufluence of sapwood heartwood converslon of bordered pit tori in western hemlock on bisulfite pulping. *Wood and fiber science*, Madison, 15(3): 251-62, jul. 1983.
- GUEVARA, R. & MOSLEMI, A.A. - Higroexpansive and sorptive behavior of wood modified with propylene oxide and oligomeric diisocyanate. *Journal of wood chemistry and technology*, New York, 3(1): 95-114, 1983.
- HAAS, M.E. - New recausticizing plant reduc energy 30%. *Tappi journal*, Atlanta, 66(1): 39-42, jul.1983.
- HAGGERTY, P.D.: WINES, B. & McCARTHY, J L. - Evaporator condensates. *Tappi journal*, Atlanta, 66(5): 75-7. mai. 1983.
- HAIR, D. - Perspectivas dos recursos renováveis nos Estados Unidos. *Revista da madeira*, São Paulo, 32(378): 24-7, jun. 1983.
- HARRIS, L.J. et alii - Cortical resin monoterpenes in Sitka spruce and resistance to the white pine weevil. *Canadian journal of forest research*, Ottawa, 13(2): 350-2, abr. 1983.
- HATTULA, T. & OITTINEN, P. - Uma análise da penetração de tinta nos revestimentos de pigmentos. *O papel*, São Paulo, 44 (8): 49-54, ago. 1983.

- HINDS, J A. & NEOGI, A.N. - The dynamic computer simulation of a paper machine dryer. *Tappi journal*, Atlanta, 66(6): 79-82, jun.1982.
- HOBBS. S.D.; GORDON, J.C. & BROWN, G.W. - Research and technology transfer in Southwest Oregon. *Journal of forestry*, Washington, 81 (8): 534-6, ago. 1983.
- HOLBOM, B. & ECKERMAN, C. - Tall oil constituents in kraft pulping. *Tappi journal*, Atlanta, 66(5): 108-9, mai. 1983.
- HOO, L H.; SARKANEN, K.V. & ANDERSON, C.D. - Formation of C6C2 - enol ethers in the acid-catalyzed hydrolysis of erythro-veratryl-glycerol-Bether. *Journal of wood chemistry and technology*, New York, 3(2): 223-43, 1983.
- HORN, R.A. & SETTERHOLM, V.C. - Continuous on-line press drying ot highyield oak fiber for linear-board. *Tappi journal*. Atlanta, 66(6): 59-62, jul. 1983.
- HOWARD, G.J. - The influence of polymers on the light scattering of TiO₂ pigment in paper. *Tappi journal*, Atlanta, 66(6): 87-91, jun. 1983.
- HUTCHINS JR , C.C. - Southern pulpwood production, 1981. *USDA. Forest service SE resource bulletin*, Asheville. (66): 1-23, dez.1982.
- ITANI, R. Y. - Influence of sheating gaps on wood floor systems. *Wood and fiber science*, Madison, 15(3): 190-202, jul. 1983.
- JOHNSON, R.A. & GALLIGAN, W.L. - Estimating the concomittance of lumhef strenght properties. *Wood and fiber science*, Madison, 15(3): 235-44, jul. 1983.
- JUNG. J & MURPHY, J.F. - An investigation of the fracture of but joints in parallelaminated veneer. *Wood and fiber science*, Madison, 15(2): 116-34, abr. 1983.
- KEREKES, R.J. - Pulp flocculation in decaying turbulence: a literature review. *Journal of pulp and paper science*, Westmount, 9(3): 86-91, jul. 1983.
- KIRK, T.K.; JEFFRIES, T.W. & LEATHAM, G.F., - Biotechnology: applications and implications for the pulp and paper industry. *Tappi journal*, Atlanta, 66(5): 45-51, mai 1983.
- KUNDE, F.K.; CHEN, T.S. & MATHRE, J.L. - Tuning weight and moisture control automatically. *Tappi journal*, Atlanta, 66(7): 15-8, jul. 1983.
- LABOSKY JR., P.; BOWERSOX, T.W. & BLANKENHORN, P.R. - Kraft pulp yields and paper properties obtained from first and second rotations of three hybrid poplar clones. *Wood and fiber science*, Madison, 15(1): 81-9, jan. 1983.

- LAUFENBERG, T.L. - Characterizing the nonlinear behavior of flakeboards. *Wood and fiber science*, Madison, 15(1): 47-58, jan. 1983.
- LAW, K.N. & LAPOINTE, M. - Chemimechanical pulping of boles and branches of white spruce, white birch and trembling aspen. *Canadian journal of forest research*, Ottawa, 13(3): 412-8, jun.1983.
- LEE, C.H. & QUIRK, J.T. - Precision of measuring anatomical characteristics in jack pine. *Wood and fiber science*, Madison, 15(1): 74-80, jan. 1983.
- LEE, Y.Y. & McCASKEY, T.A. - Hemicellulose hydrolysis and fermentation of resulting pentoses to ethanol. *Tappi journal*, Atlanta 66(5): 102-7. mai. 1983.
- LINDSTRÖM, T. & WAGBERG, L. - Effects of pH and electrolyte concentration on the adsorption of cationic polyacrylamides on cellulose. *Tappi journal*, Atlanta, 66(6): 83-5, jun. 1983.
- LOEHNERTZ, S.P. - Industrial performance of powered back-up roll for peeling veneer. *USDA. Forest Service FPL research paper*, Madison, (430): 1-7, out. 1982.
- LOEHNERTZ, S.P. - Laboratory performance of a powered back-up roll for peeling veneer. *USDA. Forest Service FPL research paper*, Madison, (429): 1-7, out.1982.
- MABBOTT, L.A. - Steam turbine applications as related to optimum energy utilization. *Pulp & paper Canada*, Westmount, 84(7): 17-22, jul 1983.
- MACGREGOR, M.A. - A description of sheet stratification caused by wet pressing. *Tappi journal*, Atlanta, 66(6): 53-7, jun. 1983.
- MACGREGOR, M.A. - Practical effects of shee stratification caused by wet pressing. *Tappi journal*, Atlanta, 66(7): 65-9, jul. 1983.
- MCMANUS, P.A. et alii - Paper requirements for color imaging with ink-jets. *Tappi journal*, Atlanta, 66(7): 81-5, jul.1983.
- MANDZAK, J.M. & MILNER, K S. & HOST J. - Production and product recovery for complete tree utilization in the northern rockies. *USDA. Forest Service INT research paper*, Ogden, (306): 1-17, jan. 1983.
- MERINGOLO, V. & THUN, D. - Thermal spray coatings: principles and applications. *Tappi journal*, Atlanta, 66(5): 65-7, mai. 1983.
- MIH, J.F. & THOMPSON, N.S. - The effect of liquor composition on the rate of reaction of lignin model compound acetoguaiacone in oxygen and alkali. *Journal of wood chemistry and technology*, New York, 3(2): 145-59, 1983.

- MIYAGI, Y. et alii - Preparation and thermal properties of acetates derived from cellulose dissolved in DMSO-PF. *Journal of wood chemistry and technology*, New York, 3(1): 59-78, 1983.
- MOORE, G.R.; KLINE, D.E. & BLANKENHORN, P.R. - Impregnation of wood with a high viscosity epoxy resln. *Wood and fiber science*, Madison, 15(3): 223-34, jul. 1983.
- MOSLEMI, A.A.; GARCIA, J.F. & HOFSTRAND, A.D - Effect of various treatments and additives on wood-portland cement water systems. *Wood and fiber science*, Madison, 15(2): 164-76, abr. 1983.
- MURMANIS, L. - Microscopy of acid activated bonding In wood. *Wood and fiber science*, Madison, 15(3): 203-11, jul. 1983.
- MURMANIS, L.; RIVER, B.H. & STEWART , H. Microscopy of brasive-planed and knife planed surfaces in wood-adhesive bonds. *Wood and fiber science*, Madison, 15(2): 102-15, abr. 1983.
- NELSSON, J.M. - The vacuum system: Its contribution to machine efficiency *Tappi journal*, Atlanta, 66(6): 63-6, jun. 1983.
- NELSON JR., R.M. - A model for sorption of water vapor by cellulosic material. *Wood and fiber science*, Madison, 15(1): 8-22, jan. 1983.
- PAN, G.Y.; RENARD. J.J. & DeGRAW, J.F. - Scrubling chlorine dioxilie from bleach plant waste gases. *Tappi journal*, Atlanta, 66(7): 55-8, jul. 1983.
- PERO, R.W. & DENCE, C.W. - Methoxy-p-benzoquinone and methoxyhydroquinone as models for chromophore changes in the bleaching of Soft-Wood mechanical pulps: 2. *Journal of wood chemistry and technology*, New York, 3(2): 195-222, 1983.
- PERRU, D.A. - Generating electricity with Wood and solid wastes in southern Oregon. *Research bulletin. Forest Research Laboratory*, Corvallis, (40): 1-87, mai.1983.
- PHELPS, J.E. & MCGINNES JR., E.A. - Growth quality evaluation of black walnut Wood: part 3. *Wood and fiber science*, Madison, 15(3): 212-8, jul. 1983.
- PHELPS, J.E et alii - Growth-quality evaiuation of black valnut Wood: part 2. *Wood and fiber science*, Madison, 15(2): 177-85, abr. 1983.
- PHELPS, J.E. et alii - Rates of ethylene production by parenchyma cells in black walnut sapwood. *Wood and fiber science*, Madison, 15(1): 23-7, jan. 1983.
- PRODUÇÃO de briquetes de residuos de madeira. *Revista da madeira*, São Paulo, 32(378): 28-33. jun.1983.

- RALPH, J. & ADAMS, B.R. - Determination of the conformation and isomeric composition of lignin model quinone methides by NMR. *Journal of wood chemistry and technology*, New York, 3(2): 183-94, 1983.
- RALPH, J & YOUNG, R.A. - Stereo-chemical aspects of addition reactions involving lignin model quinone methides. *Journal of wood chemistry and technology*, New York, 3(2): 161-81, 1983.
- RAMP, J.W. - The angles of tip tube blade coating. *Tappi journal*, Atlanta, 66(7): 75-80, jul. 1983.
- SAMLAIC, J. - Ajustagem da faqueadeira. *Revista da madeira*, São Paulo, 32(380): 6-8, ago. 1983.
- SAMLAIC, J. - Tratamento de toras para a iluminação *Revista da madeira*, São Paulo, 32(378): 10-3, jun. 1983.
- SAMLAIC, J. - A utilização adequada das serras circulares. *Revista da madeira*, São Paulo, 32(380): 33-5, ago. 1983.
- SANDÉGARD, R.H. - Götaverken recovery boilers design features. *Pulp and paper Canada*, Westmount, 84(7): 23-7, jul. 1983.
- SANTANA, M.A. & SOBRAL FILHO, M. - Desenvolvimento de adesivos tanino-formaldeído. *Revista da madeira*, São Paulo, 32(378): 14-23, jun. 1983.
- SATO, K & ISHIDA S. - Resin canals in the wood of *Larix leptolepis*: 3. *Research bulletins. College Experiment Forests*, Sapporo, 40(2): 455-65, 1983.
- SCHLEINKOFER, R.W. - Short sequence bleaching with oxygen. *Tappi journal*, Atlanta, 66(7): 51-4, jul. 1983.
- SCHNIEWIND, A.P. & GAMMON B.W. - Strength and related properties of knobcone pine. *Wood and fiber science*, Madison, 15(1): 2-7, jan.1983.
- SCREPETIS, G.D. - High quality logs: saw or sell? *Southern journal of applied forestry*, Washington, 3(1): 32-4, fev 1979.
- SERRARIA com comando eletrônico. *Revista da madeira*, São Paulo, 32(380): 16-20, ago. 1983.
- SETH, R.S. - Intrinsic edgewise compressive strength of paper. *Tappi journal*, Atlanta, 66(5): 97-100, mai. 1983.
- SHERWOOD, G.E. - Condensation potential in high thermal performance walls cold winter climate. USDA. *Forest Service FPL research paper*. Madison, (433): 1-20, mai. 1983.

- SIAU J.F. & BABIAK, M. - Experiments on nonisothermal moisture movement in Wood. *Wood and fiber science*, Madison, 15(1): 40-6, jan.1983.
- SIMPSON, G.G. et alii -Paper mill sludges, coal flu ash, and surplus lime mude and soil amandments in crop production. *Tappi journal*, Atlanta, 66(7): 71-4, jul. 1983.
- SMITH G.A. et alii - Port Angeles pulp mill curtails degradation of glass fibers in recovery stack mist eliminators. *Tappi journal*, Atlanta, 66(5): 68-71, mai. 1983.
- SMITH. R.H. - Monoterpenes of lodgepole pine xylem resin. *Forest science*, Washington, 29(2): 333-40, jun. 1983.
- SUAREZ PEREZ, E. & MELENDEZ PONCE, R. - Controle transversal com sistema computarizado na máquina de papel. *O papel*, São Paulo, 44(8): 33-40, ago. 1983.
- OS SUPRIMENTOS DA madeira serão mais difíceis para o ano 2000. *Revista da madeira*, São Paulo, 32 (38): 23-7, ago. 1983.
- SUURSALMI, J. - Limiting factors in highspped air knife coating. *Tappi journal*, Atlanta, 66(5): 81-5, mai. 1983.
- TEISANO T. - Desde a serra com só um dente até as linhas automáticas. *Revista da madeira*, São Paulo, 32(379): 22-6, jul 1983.
- TILA, L. - Experjences with tandem TMP for supercalendered magazine papers at Jämsänkoski. *Tappi journal*, Atlanta, 66(6): 71-3, jun. 1983.
- USDA. FOREST SERVICE - *Wood adhesivess research, application and needs*. Madison, FPL; 1980. 230p.
- VEERAMANI, H. et alii - Effect of alkali pretreatment on eucalypt chips on kraft black liquir viscosity and pulp strenght. *Journal of wood chemistry and technology*, New York, 3(1): 17-34, 1983.
- WALLER, M.H. & EYIKE, Y.N. - Soda anthraquinone pulping of loblolly pine; kinetic study. *Journal of pulp and paper science*, Westmount, 9(3): 83-5, jul. 1983.
- WEDEL, G.L. - Performance of dryer syphons. *Tappi journal*, Atlanta, 66(7): 90-3, jul. 1983.
- WONG, A. - Problems of wood organics in the kraft pulping of chips with bark. *Pulp and paper Canada*, Westmount, 84(7): 38-43, jul. 1983.
- YASSY, F. - Desbaste de Pinus para fazer casas. *Revista da madeira*, São Paulo, 32(380): 9-11, ago. 1983.

YUMOTO, M.; ISHIDA, S. & FUKAZAWA, K - Studies on the formation and structure of the compression wood cells induced by artificial inclination in young trees of *Picea glauca*: 4. *Research bulletins. College Experiment Forests*, Sapporo, 40(2): 409-52 1983.

ZINKEL, D.F. - Quantitative separation of ether-soluble acidic and neutral materials. *Journal of wood chemistry and technology*. New York, 3(2): 131-43,1983.

MECANIZAÇÃO FLORESTAL

BRIDGES, R.G. - Integrated logging and regeneration in the silvertop ash-stringy bark forests of the Eden region. Research paper. *Forestry Commission of NSW*, Sydney, (2): 1-27, 1983.

FOLKEMA, M.P. - Evaluation du dispositif d'ébranchage à tête double SLR-2000 *FERIC*. *Technical note*, Pointe Claire, (67): 1-23, jul, 1983.

HEIDERSDORF, E. - Utilisation dans les débusqueurs de moteurs diesel Deutz refroidis par air. *FERIC. Technical note*, Pointe Claire, (68): 1-12. jul. 1983.

NABOS, B. & PETIT, H. - Les grues hydrauliques à grappin. *Informations forêt*. Nangis, (4): 383-405, 1982.

PULKKI, R. & AITOLAHTI, M. - A mobile crusher for forest road construction. *Communications Institutii Forestalis Fenniae*, Helsinki, (107): 1-30, 1982.

ROUTHIER, J.G. - Implications of fulltree harvesting for biomass recovery. *Information report LAU-X*, Sainte-Foy, (50): 1-132, 1982.

ECONOMIA FLORESTAL

ADAMS, D.M. - An approach to estimating demand for national forest timber. *Forest science*, Washington, 29(2): 289-300, jun. 1983.

CHANG, S.J. - Rotation age, management intensity and the economic factors of timber production. *Forest science*. Washington, 29(2): 267-77, jun. 1983.

CRAIG, G.A. - Sustained-yield policy comments. *Journal of forestry*, Washington, 81(8): 539-40, ago.1983.

CUBBAGE, F.W. - Tract size and harvesting costs in southern pine. *Journal of forestry*, Washington, 81(7): 430-3, 478, jul. 1983.

GUPTA, T. - The economics of tree crops on marginal agricultural lands with special reference to the hot arid region in Rajasthan, India. *The International tree crops journal*, Herts, 2(2): 155-94, 1983.

- HAROU, P.A. - A note on the real rate of discount. *Forest science*, Washington, 29(2): 249-52, jun. 1983.
- HARPOLE, G.B. - Economics of manufacturing structural lumber from low-to-medium-density hardwoods. *USDA. Forest Service. FPL research paper*, Madison, (432): 1.5, mar. 1983.
- JACKSON, D.H. - Sub-regional timber demand analysis: remarks and an approach for prediction. *Forest ecology and management*, Amsterdam, 5(2): 109-18, fev.1983.
- LORTIE, M. - Private nonindustrial forest ownership and public programs in Eastern Canada. *Journal of forestry*, Washington, 81(6): 382-4, 405, jun. 1983.
- MALM, R.L. & MCCOLLUM, M.G. - Control of timber theft. *Journal of forestry*, Washington, 81(6): 371-2, jun. 1983.
- MYERS, N. - Tropical moist forests: over-exploited and under-utilized. *Forest ecology and management*, Amsterdam, 6(1): 59-79, 1983.
- PARRY, B.T. - Barriers to coordinating federal and state resource assessments in California. *Journal of forestry*, Washington, 81(8): 541-2, ago. 1983.
- PORTERFIELD, R.; UTZ, K. & BALMER, W. Analyzing alternative hardwood management strategies. *Southern journal of applied forestry*, Washington, 3(1): 7-12, fev. 1979.
- ROSE, D.W. et alii - Assessing locational advantages of markets in terms of delivered cost of wood. *Canadian journal of forest research*, Ottawa, 13(1): 176-83, fev. 1983.
- STERRETT, V.J. & FELT, D.G. - Forest area and timber resource statistics for state and private lands in the headwater counties of Montana, 1978. *USDA. Forest Service INT resource bulletin*, Ogden, (27): 1-27, fev. 1983.
- TANSEY, J.B. - Forest statistics for North Central Georgia, 1983. *USDA Forest Service SE resource bulletin*, Asheville, (67): 1-30, abr. 1983.
- TOLEDO FILHO, L. de; SILVA, J. de A. & FERREIRA, J.M. - Estratégia para utilização das florestas nacionais das regiões sul e sudeste. *Brasil florestal*, Brasília 13(54): 5-12, abr./jun. 1983.
- VAN WAGNER, C.E. - Simulating the effect of forest fire on longterm annual-timber supply. *Canadian journal of forest research*, Ottawa, 13(3): 451-7, jun. 1983.

ECOLOGIA APLICADA

- BHARGAVA, D. S. - Very low altitude remote sensing of the water quality of rivers. *Photogrametric engineering and remote sensing*, Falls Church, 49(6): 805-9, jun.1983.

- BINKLEY, D. - Ecosystem production in douglas-fir plantations. *Forest ecology and management*. Amsterdam, 5(3): 215-27, mar.1983.
- BRAEKKE, F.H - Water table levels at different drainage intensities on deep peat in northern norway. *Forest ecology and management*. Amsterdam, 5(3): 169-92, mar. 1983.
- CAUGHLEY, Graeme - *Analysis of vertebrate populations*. Chichester, John Wiley, 1977. 234p.
- COLE, D.M. - Assessing and monitoring back-country trail conditions. *USDA Forest Service. INT research paper*. Ogden, (303): 1-10, fev. 1983.
- COLE, D.M. - Canopy development in lodgepole pine: implications for wildlife studies and multiple resource management. *USDA. Forest Service INT general technical report*, Odgen, (139): 1-13, fev. 1983.
- COLE, D.M. - Monitoring the conditions of wilderness campsites. *USDA. Forest Service INT research paper*, Ogden, (302): 1-10, fev.1983.
- COLLINS, C.T. & WATSON, A. - Field observations of bird predation on netropical moths. *Biotropica*, Gambier, 15(1): 53-60, mar. 1983.
- CROWFORD, H.S.; TITTERINGTON, R.W. & JENNINGS, D T. - Bird predation and spruce budworm populations. *Journal of forestry*, Washington, 81(7): 433-5, 478, jul. 1983.
- FISCHER, W .C. & McCLELLAND, B.R. - A cavity.nesting bird bibliography. *USDA. Forest Service. INT general technical report*. Ogden, (140): 1-79, mar. 1983.
- FOSTEH, M.S. & McDIARMID. R.W - Nutritional value of the aril of *Trichilia cuneata* a bird-dispersed friut. *Biotropica*, Gambier. 15(1): 26-31, mar. 1983.
- GANO JR., R.D. & MOSHER J.A. - Artificial cavity construdtion: an alternative to nest boxes. *Wildlife society bulletin*. Bethesda, 11(1): 74-6, 1983.
- GEIGER, Rudolf - *Manual de microclimatologia*. Lisboa, Fundação Calouste Gulbenkian, 1980. 600p.
- GILL, R.S & LAVENDER, D.P. - Litter decomposition in coastal hemlock stands. *Canadian journal of forest research*, Ottawa, 13(1): 116-21, fev. 1983.
- GOTTSBERGER, I.S. & EITEN, G. - Fitossociologia de um hectare de cerrado. *Brasil Florestal*, Brasilia, 13(54): 55-70, abr./jun. 1983.

- GRELEWICZ, P. & PLICHTA, W. - Water absorption of xeromor forest floor samples. *Forest ecology and management*, Amsterdam, 6 (1): 1-12, 1983.
- GRUPO PERMANENTE DE TRABALHO EM NUTRIÇÃO E FERTILIZAÇÃO FLORESTAL - Pesquisa em nutrição e fertilização florestal. *Documentos EMBRAPA/URPFCS*. Curitiba, (13): 1-12, mar 1983.
- GULLION, G.W. & ALM, A.A. - Forest management and ruffed grouse populations in a Minnesota coniferous forest. *Journal of forestry*, Washington, 81(8):529-32, 536, ago. 1983.
- HADLEY, M. & LANLY, J P. - Ecosystèmes des forêts tropicales: différences et similitudes. *Nature et ressources*, Paris, 19(1): 2-19, jan./mar. 1983.
- HAMMITT W.E. & McDONALD, C.D. - Past onsite experience and its relationships to managing river recreation resources. *Forest science*, Washington, 29(2): 262-6, jun. 1983.
- HANSEN, E.A. & PHIPPS, H.M. - Effect of soil moisture tension and preplant treatments on early growth of hybrid Populus hardwood cuttings. *Canadian journal of forest research*, Ottawa, 13(3): 458-64, jun. 1983.
- HASE, H. & FOELSTER, H. - Impact of plantation forestry with teak on the nutrient status of young alluvial soils in West Venezuela. *Forest ecology and management*. Amsterdam, 6(1): 33-57,1983.
- JOHNSON, W.C. & SHARPE, D.M. - The ratio of total to merchantable forest biomass and its application to the global carbon budget. *Canadian journal of forest research*, Ottawa, 13(3): 372-83, jun. 1983.
- LEE, R.S.; PRITCHET, W.L. & SMITH, W.H. - Forest floor characteristics under longleaf-slash pine on two spodosols. *Forest ecology and management*, Amsterdam, 5(3): 193-205, mar. 1983.
- LIPAS, E. - Effect of fine material fractions on the results for soil textural parameters. *Silva fennica*, Helsinki, 17(1): 71-6, 1983.
- LUCAS R.C. - Low and variable visitor compliance rates at voluntary trail registers *USDA. Forest Service INT research note*, Odgen, (326): 1-5, jan.1983.
- MARCOT, B.G. & MERETSKY, V.J. - Shaping stands to enhance habitat diversity. *Journal of forestry*, Washington, 81(8): 526-8. ago.1983.
- MILLER, W.C. - Decomposition rates of aspen bole and branch litter. *Forest science*, Washington, 29(2): 351-6, jn. 1983.

- MITAL, D. & SUCOFF, E. - Predicting soil moisture depletion beneath trembling aspen
Canadian journal of forest research, Ottawa. 13(1): 45-52, fev. 1983.
- MODER ZAMBRANO, L. - Control de carcasas: 1. *Chile forestal*, Santiago, 8(94): 29-40,
jul. 1983.
- MODER ZAMBRANO, L. - Control de carcasas: segunda parte. *Chile florestal*, Santiago,
9(95): 29-40, ago. 1983,
- MORGAN, M.G.; MACLEAN, D.A. & PIENE, H. - Variation in balsam fir needle length
due to crown position, foliage age, and intertree differences. *Forest science*.
Washington, 29(2): 412-22, jun. 1983.
- MORI, S.A. et alii - Ecological importance of myrtaceae in an Eastern Brazilian wet forest.
Biotropica, Gamber, 15(1): 68-80, mar.1983.
- NADELHOFFER, K.H. & ABER, J.D. - Leaf litter production and soil organic matter
dynamics along a nitrogen-availability gradient in Southern Wisconsin. *Canadian
journal of forest research*, Ottawa, 13(1): 12-21, fev. 1983.
- NILSSON, S.I.; WIKLANDER, G. & F ARRELL, E.P - Stores of exchangeable base
cations and aluminium in lysimeters previously treated with sulphuric acid or NPK
with and without irrigation. *Forest ecology and management*, Amsterdam, 5(2): 87-
108, fev. 1983.
- PADUA, L.F.M. de; ALHO, C.J.R. & CARVALHO, A.G. de - Conservação e manejo da
tartaruga da Amazonia na Reserva Biológica do Rio Trombetas. *Brasil florestal*,
Brasília, 13 (54): 43-54, abr./jun. 1983.
- PATTERSON III, W.A. & OLSON, J.J. - Effects of heavy metals on radiate growth of
selected woody species germinated on filter paper, mineral and organic soil substrates.
Canadian journal of forest research. Ottawa, 13(2): 233-8, abr. 1983.
- QUINTÃO, A.T.B. - Evolução do conceito de parques nacionais e sua relação com o
processo de desenvolvimento. *Brasil florestal*, Brasília, 13(54): 13-28, abr./jun. 1983.
- RAUNIEMAA, T. et alii - On seasonal variation in the nutrient content of needle litter from
scots pine. *Canadian journal of forest research*. Ottawa, 13(3): 365-71, jun 1983.
- ROSE, P.W. & ROSENDAHL, P.C. - Classification of Landsat data for hydrologic
application, Everglades National Park. *Photogrammetric engineering and remote
sensing*, Falls Church. 49(4): 505-11. abr.1983.
- SALICK, J.; HERRERA, R. & JORDAN, C.F - Termitaria: Nutrient rain forests.
Biotropica, Gambier, 15(1): 1-7, mar.1983.

- SALONIUS, P.O. - Effects of organic-mineral soil mixtures and increasing temperature on the respiration of coniferous raw humus material. *Canadian journal of forest research*, Ottawa, 13(1): 102-7, fev 1983.
- SCHULTE, P.J. & MARSHALL, P.E. - Growth and water relations of black locust and pine seedlings exposed to controlled water stress. *Canadian journal of forest research*, Ottawa, 13(2): 334-8, abr. 1983.
- SIDLE R.C. & SHA W III, C.G, - Evaluation of planting sites common to a southern east Alaska clear-cut: 1 - nutrient status. *Canadian journal of forest research*, Ottawa 13(1): 1-8. fev. 1983.
- ST. JOHN. T.V. - Response of tree roots to decomposing organic matter in two lowland Amazonian rain forest. *Canadian journal of forest research*, Ottawa, 13(2): 346-9, abr. 1983.
- SWINDEL, B.F. : LASSITER, C.J. & RIEKERK, K. - Effects of clear cutting and site preparation on stormflow volumes of streams in *Pinus elliottii* flatwoods forests. *Forest ecology and management*, Amsterdam, 5(4): 245-53, abr.1983.
- SWINDEL. B.F.; LASSITER, C.J. & RIEKERK, H. - Effects of different harvesting and site preparation operations on the peak flows of streams in *Pinus elliottii* flatwoods forests. *Forest ecology and management*, Amsterdam, 5(2): 77-86, fev. 1983.
- TROENDLE, C.A. - The deadhorse experiment: a field verification of the subalpine water balance model. *USDA. Forest Service RM research note*, Fort Collins, (425): 77-86, fev. 1983.
- TROENDLE, C.A. - The deadhorse experiment: a field verification of the subalpine water balance model. *USDA. Forest Service RM research note*, Fort Collins, (425): 1-8, mar. 1983.
- TURNER, J. & LAMBERT, M.J. - Nutrient cycling within a 27-year old *Eucalyptus grandis* plantation in New South Wales. *Forest ecology and management*, Amsterdam, 6(2): 155-68 jul 1983.
- UTTER. J. - Opinions' of inontanas on wilderness and resource development. *Journal of forestry*, Washington, 81(7): 435-7, jul. 1983.
- VASHBURNE, R.F. & COLE, D.N. - Problems and practices in wilderness management: a survey of managers. *USDA Forest service INT research paper*, Ogden, (304): 1-56, fev. 1983.
- WHITEHOUSE, D.L.G.; HINCKLEY, T.M. & PALLARDY, S.G - Spatial and temporal aspecis of water relations of three tree species with different vascular anatomy. *Forest science*, Washington, 29(2): 317-29, jun. 1983.

WOODIN, M.C. - A portable umbrella blind for observing wildlife. *Wildlife society bulletin*, Bethesda, 11(1): 72-3, 1983.

ZAGER, P.E. & JONKEL, C.J. - Managing grizzly bear habitat in the northern rocky mountains. *Journal of forestry*, Washington, 81(8): 524-6, 536, ago.1983.