

Whatever you can dream **Begin it** **Boldness** has genius, power, magic

1111 Fiber Shortage, 29 Countries Growing it, **FARMERS** - Need **NEW** hi value crops - growing more of leg crops only crops price

WHY they subsidize it in Europe

7) Comparisons of **Hemp & Marijuana** - St. Bernard's Poole to the Dog - side effects before pleasure

11) Hemp an excellent rotation crop that eliminates weeds.

12) 6 materials are drawn from hemp - 3 fibers, oil, seed, seed meal. Products from Each described

15 **CHART Form** - Modern uses for Hemp.

19 - ~~1944~~ Paper - 1913 14 m. tons 1990's 250 m. tons

24 - much harder than cotton, corn, or soybeans b/c disease resistant Simplicity Book - Your money, your life

28 Treatise - Ancient China 6 C. BC Hemp a basic grain.

29 - moved China Korea Japan **SHINTO Religion** - purity, fertility,

32 - Hemp New England - growing mandatory 18th century - god of Hemp

35 Planted heavily in WWI as well as WWII

37 - 1916 Bulletin 404

39 Henry Ford Statement - So good - "why use up the forests?"

Blatant bias toward forest products

40 Dupont Conspiracy - Hard to prove

41 - Chemistry movement Ford Edison Carver "Anything that can be made from a..."

42 - Farmers sold subsidy energy - outlawed by 2 Prohibitions First Alcohol

45 Anslinger Promise - Hemp farming ok

46 Fiber strains are full of **CBD** - Indices strong marijuana

51 Treasury Dept Atty. assures everyone that Hemp Industry won't be harmed.

51 WHY illegal - Why M. Tax Act 1937 - Hearst/Dupont, Prohibition, Prohibition Conspiracy.

52 Killed Domestic Hemp Industry by busting them, if leaves stuck to stalk forced licensing federal control.

54 - Wow - Ropes making companies allowed into the 50's - targeted innovative chemergic cellulose using firms.

55 Abort turnaround - By 1942 urging farmers to grow hemp.

57 - after war - eradicated again over protest of farmers

61 1961 UN Convention on Narcotic Drugs Specifically protected hemp crop - US signed

62 1970 Current US drug law passed C. D. A. P. A.

64 - Included all trade agreements list of essential national resource GATT NAPTA EEC (EU)

1916 Ralph mechanism **64 Test** is 935 chroma graphically pot MOKSHA

Can have legal clarity graphically + 3% = Pot - 1% = Hemp

France forced E.U. ceiling down to .3%

Unreasonable - won't permit necessary diversity, pollen

66 - 10 Mile Radius - pot fields spoiled by hemp pollen

29 countries can distinguish and regulate - DEA can't do it.

67 - Need Change No Laws to get Industrial Hemp - Just make Regulatory distinction.

72 A real Republican Issue - Get Govt out of the Way 29 countries grow hemp

79 - The U.S. is an island of denial in a sea of acceptance

81 Canada - Farm Bill 1997 - Reclassifies Hemp - CAN farm it "to make bill more palatable to its opponents" Much harsher pot penalties included

84 - E.U. Subsidy of \$400.00 per acre?

85 Hungary - Dr. Ivan Bosca - World's leading hemp breeder GATE Ag, research inst.

85 JAPAN - New Emperor has to have it Grew it in secret - See story

86 For Store - Schichimi - to flavor noodles.

87 - Hemp will cleanse soil contaminated by heavy metals.

until 1900's Russia was big source - peasant labor force.

97 - Calvin Klein Statement - fashion furniture

97 - old product OK - Columbia Rope Co - till 1958.

102 PAPER Intl. Paper exec. "It is a remarkable thing god put on earth."

108 - List - Advantages of Hemp stronger than wood or cotton anti mildew warmer in winter cooler in summer most ideal ratio of essential fatty acids

110 Big Corporate Welfare - maybe trillion dollars

111 Industry - Change from Wasteful Polluting, Centralized, Petroleum based to Sustainable, regionally appropriate, carbohydrate based industry

Get Dollar Voting to change society.

116-117 Hemp twice as absorbent as cotton or wood twice as strong wood

118 - Blown in insulation - concrete/stronger 5 times lighter mildewcide fire retardant insect mold resistant

Hemp Seed - Excellent - Protein calcium magnesium potassium, Vit A and Phosphorus - Cheese, Milk, Ice Cream

118 Seed Cake - Short shelf life - can be ground and used in fresh baked products

119 GLA - Skin Hair Eyes Health - it does not produce them only a few food sources Also contains - waxy rare GLA nutrient REFRIGERATE

119 - organic flaxseed has multi-million market, hemp is better

120 - Hemp Paper - somewhat more productive stronger higher quality less toxic chlorine free bleaching APV can be recycled many more times

Plastics can be done - Henry Ford Plastics would be fully 300 deg recale table paper plates, cups, lamp post blow home

121 Hemp Clothes block UV rays more effectively.

131 Hemp can be completely sustainable in a field soil
 is most disease post resistant ~~to~~ Best against weeds
 Removes toxins from soil - Great for Transition of soil to be certified
 134 Biggest impediment to US introduction of Hemp Ind. & C
 - Lack of adapted germ plasm (seed) NO substitute
 for regional breeding

This is Hemp Paper / What better way to demonstrate the versatility of hemp than by printing this book on hemp paper, using hemp-oil-based inks, all derived from locally grown hemp? While theoretically possible, the infrastructure for supplying the demand for hemp products is not yet developed to the point where hemp represents an economical choice for a product such as this book. In choosing materials for the manufacture of **Hemp Horizons** our decision-making has balanced idealism and practicality to come up with a solution that tells a positive story of present-day environmental options.

These endpapers are printed on 100-percent, 54-pound hemp text paper. You can see that it is a beautiful sheet. It is simply not yet produced in quantities that make it a viable alternative for the entire book. Choosing 100-percent hemp papers would have more than doubled the cover price of the finished book, which would have conflicted with our desire to have the hemp story read as widely as possible.

The book's text is printed on 70-pound Roland New Life Opaque, a recycled sheet containing 30-percent post-consumer material. Sheets with higher content sacrifice print and archival quality. Several participants in the production of **Hemp Horizons** lobbied to print the book on 100-percent tree-free paper. We did significant research on papers made with kenaf, bamboo, and various combinations using agricultural waste, such as kenaf/wheat straw. Many look promising, but questions of cost, availability, lead-time, and reliability made them risky choices for a job of this magnitude.

The cover is printed on recycled stock, but is protected by a laminate for which there is no commercially available, benign substitute. Booksellers and book buyers demand books that resist scratching and that maintain a bright appearance for many years. They should not have to lower their expectations or standards. Instead, it is incumbent on those of us who trade in the written word to insist on products that better reflect our goals of sustainability. Perhaps one of today's new hemp entrepreneurs looking for an opportunity will recognize the area of eco-laminates as a market niche in need of a good product.

the hottest shoot of ozone tested.

145 No till Agriculture - Possible because of liberal use of herbicides.
 147 - Hemp does not fix nitrogen - like alfalfa - clover - It does take nutrients from soil - but can return most of them - Field rotting weeds 1913 - it is the best smother crop - guack grass & thistles
 1991 - "most competitive crop" in this study.

152/153 Tables of Cannabis Post and Diseases - Plenty
 - but more disease tolerant than other crops
 Chinese - Surround Rows of Very table Crops with hemp
 155 - Hemp stalk (HARVESTING) has broken "nearly every type of harvesting equipment"
 159 Trad. water Reetting is polluting - it creates an anaerobic environment
 39 Wheat: Missed in 1932 Big insects pushed Southern Pine Newsprint got U.S.D.A. to REVERSE BULLETIN 404 of 1916
 - said Hemp NOT suitable for paper.

Hemp Horizons
 as much chemical input to break down (to pollute) Dupont
 Dupont Why I'll ^{not} consent to you'd Patent to Break down Wood
 162 Sustainability (Global Warming) - Hemp takes lots of CO2 from environment & sequesters it into useful fiber products.
 Non Sustainability list Ag. uses forests Amphibians Topsoil
 toxic pesticides (Come Back!!! - there is no "away")
 164 Guide is Nature - we must fit in Nature, the master Recycler.

172 Japan - forests cover 80% of country are responsibly maintained.
 174 Lignin high in trees 25% - 10% in annual fibers. Much less chem. & Energy to breakdown.
 Petroleum - fuel plastic carpet glue resin pesticide etc/waste
 If waste disposed of properly - Would be 2 or 3 times annual profit - Now subsidizing Petrol - \$ - disease

175 - In the 1920s moved from Industrial System based on living to one based on long dead fossilized matter.
 must break petroleum stranglehold.
 Economy of the dead is way better for creating massive wealth and centralizing control (like Constantine)
 Economy based on living things - more jobs - industry in rural areas
 177 - We've killed off the Kentucky hemp that ~~used~~ yielded 5-8 tons dry stalk - 3-5 today.

185 Tree Pulp is today extremely artificially cheap - subsidies low value Forest
 187 - was world's foremost ag. crop in the 18th Cent (1700s)
 187 - Hemp was expressly protected as fiber and seed US congress 37, 46

French
 Nearly
 monopolize
 - 3 seed
 139 Most
 seed produced
 by
 Monocous
 Unisexual
 Hybrids
 162
 Hemp
 Not
 considered
 drought
 tolerant
 crop
 Needs lots
 water
 esp. first
 30 days
 After that
 long top root
 can draw
 from sub-
 soil
 moisture.
 143 woad
 Temperature
 Abid "emerge"
 Not muckly
 from the
 soil.
 Germinating
 seed - Grows
 wheat Hemp
 was the
 hottest

When you know the big boys are stamping on your mother's face - how
Rel/Pol. does that make you feel.

Why is it Males who use it most
compulsively & in greatest quantities?

Rather Clear The whole male emotional makeup of
covet, plan, track and focus, kill or maximize
strategies

The day by day hour by hour responses of the male
aggressive focus, hostility & content, are very often
not rewarded, are punished or are superfluous in the
modern civilized world of laws - and mutual respect
Males must evolve to more peaceful, consensus, community
oriented decision making

Rope to Navy to 1957 Photo 96

54 fiber companies allowed to
ignore the tax but not "innocent
firms that focused on chemical, cellulose
processes" put in

59
The last US Hemp processor was
shut down in ~~8~~ 1957