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torial Board , E. C. Branson, L. R. Wilson, E. W. Knight, D D. Carroll, J. B. Bullitt.

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AMAZING CROP VALUES PER ACRE

COOPERATIVE BUSINESS

Cooperation as a form of business orme goes. It is less than three-quarters f a century old in any land, less than hirty years in many lands, less than half ountry where cooperative business has en intelligently and faithfully tried out has flourished like a green bay tree.

om a corporation by two features: (1) y the one-man-one vote principle of oranization and control, and (2) by patonage dividends as well as dividends ited on stock. Every cooperator has ae and only one vote no matter how nany shares of stock he owns. In a coperation the majority of men is what ounts; in a corporation it is the majory of stock that counts. One capitalizes nen, the other capitalizes money. In he second place, the profits of cooperave business go to those who create them, 1) in ratio to the capital stock they own, nd (2) in ratio to the use they make of he business as patrons. Thus in a coperative credit union the dividends are amount of money they borrow from it as well as the amount of capital they invest n it; in a corporation the direct profits go to the shareholders alone. Corporacion directors who declared patronage lividends would be violators of the law; ut cooperation directors would be crimials if they did not declare patronage ividends, if any such dividends were in

Opposed to Socialism

heir treasury.

Another thing: a cooperation is nonolitical, and wise cooperators never mix olitics and business. Cooperation is also social enterprise but cooperators are rely ever socialists. Intelligent selfiterest molds their actions and deterines their policies. They are usually ome-owning, home loving people, and ey cling tenaciously to the rights of ivate property ownership. You could ever bewitch a true cooperator with the ost alluring pictures of nationalized ealth. Violent social or political upttings are no part of his program.

The simple fact is that cooperation is e opposite of both socialism and bolevism, just as Mr. John Sprunt Hill ys. It is not only an opposite but an tidote. This is why we hold to the elief that Russia's 65 thousand cooperaves and 75 million cooperators are the It that will at last salt down her civilition into salvation. In the end they ill overthrow both socialism and bolshesm; which by the way is not socialism at individualism gone mad.

Cooperators learn slowly and cautious-, but in foreign countries at least they arn thoroughly. Their yearly trans tions cover every commodity under the in, and their operations run into bilons. They were seven billions in coopative credit alone in central Europe the ear before the Great War broke out.

In our own country the cooperator arns still more slowly. Cooperative asiness enterprise in many parts of the ountry is wholly unknown, or known y hearsay only, or known not as busiess but as an empty sentiment. Amera has hardly begun as yet to learn coperation upon the upper levels of spirit-

al enterprise. Carolina Credit Unions

However, Cooperative Credit Unions millan, \$1.50. re making notable headway in North owe's Grove, Durham county, Dec. 10, 915, with twelve members. On the tice, Macmillan, \$1. welfth day of the following January this redit union had 26 members, had reeived \$255 paid in on shares, and had otal resources of \$1,602.

In his statement of Feb. 29, 1920, the n North Carolina, with 1198 members. hey have paid in \$16,728 on shares, and neir total resources are \$87,179. All this four years. What will the totals be in

ne next forty years? Feedstuffs, fertilizers, and seed are

nion cooperatives. The farmers' money ment, Engineering Magazine Co., \$3. loaned among themselves for farm imrovements and equipments. The total nterest rate charged is 6 percent and inerest at 4 percent is paid to depositors r the ase of their money.

to trust one another and to deal sagaciously with one another and with outsiders according to approved methods of anization sanctioned by law is young as business. These credit unions are making business men out of our farmers. They learn how to save and to assemble resources, how to organize a credit madozen in North Carolina. Yet in every chinery, and how to market credit among themselves. They learn the value of accounting, of keeping track of what they earn and what they spend. The whole A co-operation is legally distinguished family gets into habits of industry and thrift. The whole neighborhood develops social virtues and habits. Group life grows and flowers graciously in cooperative credit communities. If you doubt it move about a little in the Lowe's Grove or the Valdese communities — E. N.

BOOKS FOR BUSINESS MEN

Daily reports from the Secretary of State show that North Carolina is forming more business corporations than at any time in her history. In order that these business and industrial ventures may be | tion. conducted along the best lines, it is important that those who direct their affairs should have the best information availlistributed to members according to the able. In many intances a good book write for his paper sentiments that his written by a skilled business man furnishes the information and experience which traces with the impersonal and undeleads to business success. In order to be cipherable smokescreen of the unsigned motor would be twenty years, requiring of service to the business men of the state contribution. In the conduct of his paper an annual charge to cover depreciation of North Carolina has prepared the fol- that other men have in their private and lowing list of books and suggests that public relations with their fellow citizens. those interested place their order with advance since that date

Books On Business

1. Business Organization and Management. Robinson—Organizing a Business, La Salle Extension Univ., \$2; Knoeppel -Installing Efficiency Methods, Industrial Management Library, \$3; Jones-The Administration of Industrial Enterprises, Longmans, \$2; Gowin-Developing Executive Ability, Ronald Press, \$3.

2 Marketing and Salesmanship. Ivey -Elements of Retail Salesmanship, Macmillan, \$2.25; Fisk-Retail Selling, Harpers, \$1 50; Nystrom—The Economics of Retailing, Ronald Press, \$3.

3. Foreign Trade and Exchange. Explained, Macmillan, \$1.50.

4. Business Finance. Lough-Business Finance, Ronald Press, \$4; Ettinger and Golieb—Credits and Collections, Prentice

5. Business Law. Spencer-Manual of Commercial Law, Bobbs Merrill, \$3.

6. Accounting. Paton and Stevenson-Principles of Accounting, Macmillan, \$3.25; Church-Manufacturing Costs and Accounts, McGraw Hill, \$5.

7. Advertising. Hess-Productive Advertising, Lippincott, \$2.50; Adams-Advertising and Its Mental Laws, Macmillan, \$1.50.

8. Business Statistics. Copeland—Busi-\$3.75; Babson — Business Barometers, as in all these five states combined. Babson Institute, \$2.

9. Labor and Employment Problems. Leitch-Man to Man, Forbes, \$2; Marot -The Creative Impulse, Dutton, \$1.50; Link - Employment Psychology, Mac-

10. Office Administration and Practice. arolina. The first one was organized at Schulze-Office Administration, McGraw-Hill, \$3; Cahill and Ruggeri-Office Prac-

11. Business English. Gardner - Effective Business Letters, Ronald, \$2; Lytle-Letters that Land Orders, Ronald (out of print).

12. Business Morals. Page — Trade uperintendent of cooperative enterprise Morals, Yale University Press, \$1.50; hows that there are now 31 credit unions Tarbell-New Ideals in Business, Macmillan, \$1.75.

13. General Economics. Clay—Economics for the General Reader, Macmillan (out of print); Ely—Outlines of Economics Macmillan (22) nomics, Macmillan, \$2.25.

14. Business Magazines. System, A. Feedstuffs, fertilizers, and seed are W. Shaw and Co., \$3; Factory, A. W. Shaw and Co., \$5; Industrial Manage-

THE COUNTRY EDITOR

While we are waking up to the significance of the country school, not only as a means of making good scholars and citi-These farmer-cooperators do more than ere borrowing and lending. They learn zens out of boys and girls, but as a factor in forming the new civilization that is overspreading rural life, we are still liamed to the sum of the sum of

A MATTER OF RELIGION

An organized community can be what it wills to be. An unorganized community is in a state of decadence. -Bulletin, Illinois Agricultural Col-

Organized effort is one of the greatest factors in modern civilization; whether we have in mind educational, social, religious, political, or industrial activities. - John Lee Coulter.

Membership in one body is a fundamental doctrine of religion. It is no less a fundamental doctrine of economics and sociology-and the church must lead men into it. Getting together and pulling together on earth is a preparation for dwelling together in Heaven. - E. C. Branson.

ble to overlook the importance of the country newspaper as an organ of educa-

The country editor lives in his community and is visible to his readers. They community repudiates, and cover his only about \$50.

Hence it is to the interest of the counthe local book store in their community try editor to keep his paper up to the or order direct from some such general standard of the community's moral life. and Taylor, 354 Fourth Ave. The prices by men whose thoughtful expressions the privilege of owning a two thirds horse indicated are as of August 1919 and in really carry weight and help to mold power horse. It will cost him eleven per some instances there may have been an opinion in wide areas of population. The nation needs many more.

Every editor should qualify himself for his work by careful consideration of social and economic truths. Our higher schools and our colleges should never for- ing, fundamental difference Horse fuel really say where the line will finally be get, in their direction of students to their must be fed to a horse just the same drawn between horse power and electric work in the world, that the profession of whether he works or not, while the elec power?-P. H. D. the country editor opens signal opportunities to the laudable ambition of men that will begin to compare with these in in farm labor calls for larger farms, more and women writers.—The Public.

AMAZING VALUES PER ACRE

Carolina in 1919 averaged \$86 60 per acre. livestock possibilities, that if ever we Otherwise we are not likely to cash in and Connecticut, in the order named. See the table in another column.

Arizona excepted, these are states in the great industrial area of the Northeast. Crop farming is a small detail in the occupational life of these states. Their per acre crop values are high because they are produced in the main by farm specialties-truck crops, fruits and the like. Arizona is an area of irrigated farms with less land in cultivation than in Johnston, Wayne, and Wake counties alone. Its high rank is due for the most part to alfalfa and long staple cotton, which averages a dollar or more a pound. There are nearly twice as many ness Statistics, Harvard University Press, acres under cultivation in North Carolina

The Leading Crop State

With these details in mind, we are justified in saying that North Carolina leads the farm states of the Union in the per acre value of farm crops

We outrank South Carolina our nearest competitor in the South by \$12.00 per acre, Virginia and Kentucky by \$17.00 per acre, Georgia by \$37.00 per acre, and Texas by \$45.00 per acre.

As for the grain, hay and forage states of the Middle West, the best showing is made by Ohio with \$48.39 per acre and the poorest by North Dakota with \$15.35

However, it is well to keep in mind the fact that this is an area of livestock farming mainly, and that crop values are there produced with machine power at a relatively low cost per acre. Which means low per acre values, but high per worker values, larger net profits, and greater accumulated farm wealth.

Why Carolina Leads

Our high average of per acre crop values is due to the fact that two-thirds of our total crop wealth in 1919 was proton averaging \$70.87 an acre and tobacco \$285.37 an acre. We produce more cotton per acre than any other cotton state in the South, while we rank next to Kentucky in tobacco with 320 million pounds on our score card in 1919. Besides, our peanuts averaged \$91.00 an

COUNTRY HOME CONVENIENCES LETTER SERIES No. 9 HORSE POWER VS ELECTRIC POWER

Last week we showed how man-power tric motor consumes electric fuel only costs from sixteen to twenty times as when it is actually doing work. Taking much as electric power. That is, when it by and large, a reasonable estimate of the North Carolina farmer hires a man the actual working time of a farm horse to do a job that can be done by electric would be not far from one hundred hours power he pays from sixteen to twenty per month, or around two-fifths of the times as much to get the job done as he time of the work year. Assuming that would if he hired the universal servant- the horse works these one hundred hours electricity. But there are a great many at full capacity, the farmer would then jobs that require more horse power than get in one year 800 horsepower hours or a man is capable of exerting, jobs that about 600 kilowatt hours of work out of require a good strong horse or a mule. his two-thirds horsepower horse. During Let us see, therefore, how horse power this time it would cost him, at present compares with electric power.

When an engineer has to make a comparison between two kinds of power there are three things that he must consider, namely, first cost, depreciation, and cost of operation. Suppose we apply these to the case of horse vs electricity. Now the average North Carolina farm horse can work at the rate of only about two-thirds of a mechanical horsepower, perhaps a little less, certainly not much more. Such a horse would cost today are his neighbors and friends. He cannot about \$300; whereas a three-quarter horsepower electric motor would cost

A fair estimate of the life of an electric horsepower electric motor.

Now when it comes to the cost of opera-

farm prices of feed stuff in North Carolina \$168 a year for the fuel consumption of the horse. This same 600 kilowatt hours of work could be done by an electric motor, with electricity costing ten cents per kilowatt hour, for about \$80: allowing for the efficiency of the motor. The case of horse vs electricity there-

fore stands as follows:

Horse Electric Motor Interest and Depreciation \$42.00 \$5.50 Fuel Consumption \$168.00 \$80.00 Total cost per year.. \$210.00 \$85.50

The lesson to be drawn from this comparison is this: wherever electric powthe School of Commerce at the University he has the same restraints and stimulants of say five per cent of the first cost. Like- er can be applied to do the jobs for which wise a fair estimate of the useful life of a horses have always been used, the work horse would probably be about twelve can be done for less than half of the cost years necessitating an annual charge of if electricity can be obtained for ten cents say eight per cent for depreciation. It per kilowatt hour. We don't for a mowill cost the farmer, therefore, for in- ment want to imply that electric power jobber in New York City as G. P. Put- And as a matter of fact, every State in terest and depreciation alone fourteen can completely replace horse power on nam's Sons, 2 W. 45th Street, or Baker the Union has a number of papers edited per cent on \$300 or \$42 per year just for the farm; we don't for a moment want to imply that the electric motor will do to the horse on the farm what the automocent on \$50 or \$5.50 per year for the sim- bile has done for him on the city streets. ilar privilege of owning a three-quarter But when native American genius really gets to work on some of the industrial problems of the farm as it has on the intion we immediately run across one strik dustrial problems of the city, who can

gross yields per acre.

The value of crops produced in North of our standard farm crops, and in our crop farming and livestock farming.

Twenty Year Gains

Our gross crop values in 1919 were 683 million dollars or \$86.60 per acre average. Twenty years ago our gross crop total North Carolina is striding forward in the seven league boots of the fabled giant. farm as everywhere else. It means better seeds, fewer acres per tillage, along with the price levels produced by the war.

improved farm machinery, more work-We have indeed such an advantage over stock per farm, more acres not fewer per the middle western farmers in our soils farmer, more and better meat and milk and seasons, in the high per acre value animals, and a better balance between

On this basis of comparison, only five balance up our farm systems sanely, we our largest agricultural possibilities, and Hough—Practical Exporting, American states stood ahead of us—New Jersey, shall be the richest agricultural area on to hedge safely against the boll weevil and the falling prices that are inevitable in the days ahead.

Prudent farmers in North Carolina will foresee approaching evils and find a way of escape; foolish farmers will be as heedwas only 69 millions and the per acre av- less as usual and will pass on into punisherage was only \$8.24. Here is a ten fold ment. Foresight is rare, hind-sight is gain in twenty years! Which means that the rule. Opportunity must be seized by the forelock, not the fetlock, on the

This study concludes for the present farm worker, and immensely improved the wealth studies of North Carolina that have been running in the University News Letter during the last six weeks or Inflated prices for farm products are so. They will be resumed just as soon as likely to last for many years to come, in we can get advance sheets of the Indus-our opinion. But meanwhile the decrease trial Census of 1919.

GROSS CROP VALUES PER ACRE IN 1919

Based on Reports of the United States Department of Agriculture Miss Henrietta R. Smedes

> Department of Rural Social Science University of North Carolina

Per acre average for the United States, \$42.82. For North Carolina, \$86.60

		201 Marian Carollia, 600.00				
	Rai			Rar	ak State	
	1	Connecticut\$12		25	Delaware	R10 07
	2	Massachusetts 12		26	Oregon	10.07
	3	Arizona 103		27	Ohio	40.79
i	4	Rhode Island 10	3.10	28	Nevada	47.00
ı	5		0.16	29	Louisiana	47.30
į	6	North Carolina 86	5.60	30	Utah	40.77
Ī	7	California 78	8.36	31	Wisconsin	46.04
ı	8	South Carolina 7	4.48	32	Michigan	45,44
ı	9	New Hampshire 70	0.63	33	Texas	45.28
	10	TOTAL TOTAL CONTRACTOR OF THE	9.56	34	Colorado	41.55
İ	11	Kentucky 69	9.20	35	Indiana	40.70
ı	12	3.5.1	5.44	36	Iowa	39.80
Į	13	West Virginia 64	4.08	37	Alabama	39.63
-	14	73) 13	3.29	38	Illinois	39.60
1	15	Mississippi	1.29	39	Oklahoma	38.27
ļ	16	37 37 3	9.43	40	Missouri.	36.44
ı	17	36 1 3	7.41	41	Wyoming	35.15
-	18	D 1 :	6.01	42	Wyoming	33,70
1	19	A 1	4.32	43	New Mexico	32.83
Ì	20	TT .	2.50	44	Minnesota	30.93
-	21	711	0.66	45	Nebraska	28.57
1	22	TYPE 3 TO 1	0.49	46	Kansas	26.96
	23	m	0.18	47	South Dakota	21.02
	24	Λ .	9.51	48	Montana	16.99
			,,,,,	TO	North Dakota	15.35