Coconut As Food

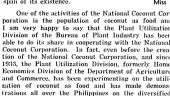
By MARIA OROSA

Chief, Plant Utilization Division Bureau of Plant Industry

WITH the advent of Philippine independence in 1946, the Philippine coconut industry, livelihood and mainstay of four million Filipinos, will face the worst crisis it shall ever have faced in its entire history. The coconut industry has for many years contributed to the wealth of our people. The annual exportation of coprax, coconut oil, desiccated coconut and other coconut products valued at about sixty million pesos, will not only be diminished, but perhaps completely stopped and both the coconut planters and our government will suf-

ers and our government will suf-fer from the very heavy loss.

Fully realizing the gravity of this impending catastrophe, His Excelency, the President of the Philippine Commonwealth, by virtue of the passage of Commonwealth Act No. 518 on May 7, 1940, created the National Coconut Corporation to save the coconut industry from perdition. This corporation deserves much credit for the tangible accomplishments it has achieved within the short span of its existence. span of its existence.



it has achieved within the short span of its existence.

Miss M

One of the activities of the National Coconut Corporation is the population of coconut as food and I am very happy to say that the Plant Utilization Division of the Bureau of Plant Industry has been able to do its share in cooperating with the National Coconut Corporation. In fact, even before the creation of the National Coconut Corporation, and since 1933, the Plant Utilization Division, formerly Home Economics Division of the Department of Agriculture and Commerce, has been experimenting on the utilization of coconut actions all over the Philippines on the diversified ways of preparing it as a component of our diet.

On February 15 of this year, the opening day of the Exhibition of the naccoo products at the Manila Trading Center of the Bureau of Commerce, and misso Maria Y. Oorosa containing 66 receipes on COCONUT were distributed. These were recently printed at the expense of the National Coconut Corporation and are being distributed to all interested parties, free of charge. This is now being revised and enlarged to include 50 recipes on coconut disherent of the value of coconut in our daily diet canflour).

The value of coconut in our daily diet can-

flour).

The value of coconut in our daily diet can-

not be over-emphasized. It is general knowledge that the diet of our masses is defficient in fat, protein, minerals, and vitamins and addition of coco-nut will undoubtedly mean its improvement, for co-conut is rich in fat and protein.

Johns. Finks, and Gersdorff of the U. S. Department of Agriculture and Commerce, who perhaps made the first studies on the nutritive value of occount meat, found that the principal protein of the endosperm of the coconut contains all the basis, amino-acids essential to growth and maintenance. Mitchell and Villegas who worked on the digestibility of proteins from different feeds found that on a 5% protein the average utilization of occount meal protein is 77%, of corn 72%, and of soybean 78%. Cajori, who made some metabolism experiments on men and dog on thu ttilization of the nitrogen in protein-rich nuts, found

trogen in protein-rich nuts, found that the "coefficient of digestibility" of the different nuts are



Miss Maria O

Orosa	as	101	OW	s .				
Litchi nuts							81 -	82
Peanuts							81 -	85
English walnu	its						83	
Pecan							83 -	84
Almond							84 -	82
COCONUT							87 -	89
Brazil nuts							88	
Almond							84 -	89
Peanut paste						*	90 -	92
Pecan paste .							81 -	83
Langworthy	an	d	Ho	lmo	e of	the	II S	S De

PAGE 9

COCONUT AS FOOD

(Continued from page 9)

min B and G. The work of Miller showed that the soft spoon or young coconut hus a higher vitamin A content than the mature one. There seems to be a conflicting report on the vitamin C content for coconut for while some investigators believithat vitamin C is lacking in all forms of Coconut others believe that it is present in water and in the soft pulp juice of the young coconut. BANER-JEE found that the coconut palm juice is very rich in vitamin C and that it did not change in quantity after spontaneous fermentation for 24 hours. He also found that the green coconut kernel contains less vitamin C than the coconut palm juice. Biswar and Ghosh found that the largest amount of vitamin C is found in the follicle of the germinated fruit, that the vitamin C content in the water is richest in the green nut with soft pulp and that it diminishes in the water and pulp as the coconut matures. Hehmano and Sepulveda who worked on the vitamin B content of different Philippine foods found that the immature meat contains no appreciable amount of vitamin B. Salmon and Goodman, however, found that mature coconut has sufficient vitamin B content.

A certain amount of roughage in our diet is conducive to a normal assimilation and the intake of concentrated foods alone is often the cause of digestive disturbance. It follows, therefore, that eccount may be most advantageously used in a diet consisting of bread, crachers, biscuits, cakes, boiled rice, and boiled roots.

Dr. Vicente Lava of the Bureau of Science, produces coconut milk which is very palatable and highly nutritions as a by-product of the Lava process in the manufacture of deodorized highly refined ecconut oil. He claims that the lacking vitamin A and inorganic constituents, may easily be supplied. The ecconut milk he makes when flavored with checolate has a better taste than other eccolait products here. In the Lava proces, eccorut flour is also produced as one of the by-products. This floor makes good cakea, breads, biscuits, muffins, and many other palatable preparations. Recipes of this flour makes good cakea, breads, biscuits, muffins, and many other palatable preparations. Recipes of this flour makes good cakea, breads, biscuits, muffins, and many other palatable preparations. Recipes of this flour makes good cakea, breads, biscuits, muffins, and many other palatable preparations. Recipes of this flour makes good cakea, breads, biscuits, muffins, and many other palatable preparations. Recipes of this flour makes good cakea, breads, biscuits, muffins, and many other palatable preparations. Recipes of this flour makes good cakea, breads in convincing you that coconut by Mrs. Paciencia E. Lopez and Miss Maria Y. Orosa.

I hope that I have succeeded in convincing you that coconut is an excellent food. For better health and for the good of the coconut industry and more coconut in your daily diet.

NEW TURNS
(Continued from page 4)

Conclusion

By and large, therefore, it may be broadly stated that—

(1) Prices of Resecada are the best since the start of the war and judging from recent trends it may be said that producers may yet obtain higher —

TABLE I—PHILIPPINE COPRA EXPORTS

	1939		Quantity	Value	Quantity	Value	
i	Quantity	Value	(Kilos)	(Pesos)	(Kilos)	(Pesos)	
Country of Destination	(Kilos)	(Pesos)	1 9	4 0	1941(*)		
United States	225,076,847	15,060,132	243,601,478	12,382,764	134,820,416	9,176,545	
France	46,290,571	3,104,337	34,182,505	2,615,805			
Russia		i —	22,488,144	1,129,881	5,892,800	261,000	
Sweden	16,578,194	1,108,828	12,126,695	857,978			
Great Britain		i —	8,079,437	425,305	i ——	i ——	
Spanish Africa		i —	4,927,600	388,000	i ——		
Denmark	17,144,855	1,160,636	5,384,000	369,520	i		
Spain	1,524,000	100,000	5,080,000	250,971	i ——	i	
Italy			2,635,449	173,012	i ——		
Mexico	27,292,795		2,336,800	160,000	i ——	i	
Panama, Republic of		i	724,648	34,206	516,304	36,500	
Japan	2,151,183	145,362	210,289	6,080	29,157,531	2,527,476	
Egypt	2,328,996	153,367	51,690	5,000			
China	499,060	32,280	101,600	4,200	8,271,166	560,418	
Germany	5,853,213	367,163	i ———	i — '			
Malaya	459,817	26,926		i	i ———		
Netherlands	50,269,688	3,284,163	1	i	i i	i	
Turkey	610,759	54,490	i ——	i		i —	
Chile	2,292,121	163,740	i	i	406,400	60,14	
Gibraltar	2,295,038	167,500	i ——	i		i	
TOTAL	400,667,137	26,802,495	3 11,930,371	18,802,722	179,064,617	12,622,082	

(*)January-July, 1941 only