

Dr. Kofoid will be down in three or four weeks to begin work, bringing his assistants with him. Dr. Ritter may come with him, or may delay a short time, as he has some work to finish in Berkeley. Dr. Torrey plans to come late and stay late, as both Dr. Ritter and Dr. Kofoid plan leaving a little earlier than usual.

I purpose seeing the City Attorney to-morrow to have him draw a deed passing the title of the park to the Regents. This I will send north for approval, and have signed up at the earliest possible date. Mr. Botsford has signed a quitclaim, and Mr. F. J. Scripps is ready to sign his parting the Whitney or Treat claim. I now see no obstacle in the way of pushing the building ahead rapidly as soon as we can make up our <sup>minds</sup> as to plans and material. It would give me great satisfaction if construction could be well under way before Dr. Ritter leaves us.

Very sincerely,

Fred. Baker.



Photocopy

San Diego, Calif.

Cincinnati, Ohio. April 30th, 1907.

Miss E. B. Scripps,  
La Jolla, Calif.

Madam:-

I have to day paid draft drawn by J. Wagenheim for \$2500.00  
from the Marine Biological Institute fund reducing the fund to \$45000.00.

Respectfully,

L. T. Atwood,

Per

Walter Yudovich



*Biological*

Miramar, Cal., Jan. 3, 1907.

UNION MARINE ENGINES BETTER THAN STANDARD:

Mr. Julius Wagonheim,  
C/o Bank & Trust Co.,  
San Diego, Calif.

Dear Sir:

I have received a letter from Mr. Halthasar of San Francisco on the subject of Gas Engines.

He says, "From all that I have been able to learn regarding the relative merits of Standard and Union Marine Engines, the Union seems to have the call. The Fishermen prefer the Union and the Expert for Galli Machine Works, the largest general repair shop in San Francisco, says the Union is superior."

Of course, as I stated the other day, it was my opinion that the engines were about equal, but I think I would have bought a Union on account of my being more personally acquainted with that type of engine.

It is my opinion since receiving this letter that the best thing you could do would be to purchase the Union Engines.

Yours sincerely,

JOHN P. SCRIPPS

cc to Dr. Fred Baker  
Prof. W. E. Ritter.



San Diego, Cal.

Jan. 31, 1907.

Miss Ellen B. Scripps,  
La Jolla, Cal.,

Dear Miss Scripps;-

I have received bids for the new boat and feel it necessary to report conditions of affairs to you. I am disappointed at the price asked, which is several hundred dollars higher than I expected; but as the bids are very nearly equal, I judge the price can be considered fair.

Mr. Joseph Fellows of San Pedro, offers to build a boat for \$8300. Capt. Jensen of San Diego, offers to build for \$8250, and the old sails taken from the Yacht Loma. Mr. Fellows does not include copper sheeting, and Capt. Jensen asks \$625 extra for same.

As to engines, Dr. Ritter and I, after considerable consultation with competent men, have decided that the most satisfactory arrangement will be to use twin screws of about 25 Horse Power each.

This would add to the cost, \$600 or \$800 more than a single engine, but would add to the advantages very greatly. Mr. Howard, manager of the Howard Iron Works, gives us a bid for the Howard engines. I have not as yet received the last bid for the Union Engines, but I believe it will be lower than the figures he quoted, owing to the fact that the Howard Engine is a 4 cylinder, and the Union Engines are 2 & 3 cylinders, less expensive and also not quite so satisfactory. The Howard Engine Co. offers to build two 25 Horse Power Engines for \$2800, with a rebate on same of \$200, in the form of a Biological Association donation.

There will undoubtedly be some additional expenses over that included in the specifications for the boat, so that I do not see any chance of building



it for much less than \$12000. Before taking any further steps, I would much prefer consulting either your brother or yourself, or both of you, in the matter of contracting for the boat. I would therefore like to meet one or both of you, as soon as possible, either at a meeting of the Directors in San Diego or at Miramar or La Jolla, at any date that you may fix. A meeting of the Directors will be necessary in order to contract for the boat, but as we have four Directors in town, we probably could get together and take formal action without troubling you to come to town if we had your approval of the action to be taken, in writing.

I will go to Miramar or La Jolla at any date fixed, if I can have two or three day's notice. I doubt if any other Directors could come, unless a date were fixed for Saturday or Sunday.

As to the building, I have secured estimates from Mr. Stannard and Mr. Quayle, that 3 one-story buildings portions of the buildings without corridors can be built for \$15000, same with corridors \$20000. Same with 3 two-story parts \$27000. To be cement in basement to ground line, alabastine cement, <sup>blocks</sup> for remainder of walls, cement floor in basement and cement floor on ~~an~~ Oregon pine joists, for main floors; joists to be ~~blocks~~ cemented in as partial fire-proofing. Roofs asphalt very heavily sanded.

There seems to be some question as to the strength of cement blocks. For all one-story buildings there should be no question whatever; and there would also be no question for the two-story portion if solid blocks can be used. The solid blocks are more expensive than the hollow ones, but in either case the expense is less than for faced bricks.

I shall be pleased to receive your suggestions as soon as is convenient for you.

Very respectfully,

Fred. Baker



San Diego, Cal.,

Feb. 13, 1907.

Miss Ellen B. Scripps,

La Jolla, Cal.,

Dear Miss Scripps:-

Your favor of the 2nd has remained unanswered, because I was awaiting some communication from Capt. Hindes of the Spreckels Commercial Co. Mr. H. L. Titus told me that as soon as I received bids for a new boat he would approach Capt. Hindes to see if he could help us out on the expense of building, as some offset for their failure to pull The Loma off the rocks last Summer, as they could easily have done had they complied with their agreement to have the tug Santa Fe on hand at high tide after we had lightened the boat.

As yet Capt. Hindes has not responded, and it is important to contract as soon as possible for a new boat if we wish to have her ready for any work next Summer. Even now it is questionable if we can be ready, but it is possible if we can hold a meeting of the Directors to authorize action this week or early next week.

I wrote Mr. E. W. Scripps, sending him a copy of my letter to you, to avoid repeating details. I am just in receipt of his letter as follows:-

"I am perfectly willing to do anything that I can for the Biological Station, but I cannot afford time to investigate and discuss and make up my mind on subjects with which I am not at all familiar, and concerning which the judgement of almost any other man would be as valuable or more valuable than my own."

"For this reason I do not wish to take up and consider the matter of a new boat or even a new building."



Under the circumstances, although you have been kind enough to write that you "think it will be all right for the board to take action on your presentation and judgement without special reference to Mr. Scripps," I fear we shall have to trouble you to be present at a meeting. I would be glad to do anything to lighten the burden on your shoulders, but I do not think the other Directors would vote to authorize contracting for a boat without your presence and affirmative vote.

If you will set a day and time when you can be present, I will at once call a special meeting to suit your convenience, <sup>as</sup> ~~if~~ it seems advisable to contract ~~if-it-seems-advisable~~ for the boat at the earliest possible date.

One other matter must also be arranged. The terms of the contract proposed, contemplate payments in instalments of 1/4 the contract price, the 1st on signing the contract, the 2nd when the boat is in frame, which should be about ten weeks, the 3rd when ready for launching, the 4th on delivery of boat.

The Association has on deposit something over \$1000. It will be necessary to have on hand about \$2500 when the contract is signed. We understand that the \$50,000, is available, but do not understand that our Treasurer has authority to draw against it. In some way this will have to be provided for, as may seem most satisfactory to you.

Very Respectfully,

Fred. Baker

Dictated



copy. *WBS*

San Diego, California, Feb. 6, 1907.

L.T. Atwood, Esq.,

United Bank Bldg.,

Cincinnati, Ohio.

Dear Sir:--

I beg to acknowledge receipt of your draft as usual, for \$250.00, to apply to the account of the Marine Biological Association.

Very truly yours,

J. Wangenheim,

President.



copy.

San Diego, California, Feb. 21, 1907.

L.T. Atwood, Esq.,  
Cincinnati, Ohio.

Dear Sir:--

Kindly note that Miss Ellen B. Scripps advises me that she has instructed you to honor checks drawn by me on you, for the account of the Biological Association, but that in the case of any large amount, we advise you beforehand.

Will you kindly confirm this authorization and let us know at the same time what you would consider as a large amount under this instruction? For instance-- we will probably (if it meets with the approval of the Board of Directors) need about \$2500 for the payment on a boat, which the Association may contract for, and in case it is approved by the Board of Directors, this amount will have to be paid at once.

Of course, it is understood that I will draw ~~no~~ no money on you, without authorization of the Board of Directors, but I presume that you would not require a copy of this authorization but would cash the drafts that I might draw on you.

Very truly yours,

Julius Wangenheim,

Treas.



San Diego, Cal.,

Feb. 23, 1907.

Miss E. B. Scripps,

La Jolla, Cal.,

Dear Miss Scripps:-

Your kind letter was duly received and contents noted. After consultation with Mr. Wangenheim, I have decided to call the Director's meeting, Saturday afternoon, March 2nd., as both Mr. Wangenheim and Mr. Kelsey can be present at that time. If this date is not perfectly satisfactory to you, please let me know, at once.

The delay in calling the meeting will not actually delay construction of the boat, as Mr. Jensen has <sup>gone</sup> ~~been~~ to San Francisco to look up matters ~~california~~ <sup>for</sup> another boat which he has just contracted to build. He informs me that this second contract will not delay our boat, but on the contrary, rather hasten it as he will employ a larger force of men and rush the second boat through more rapidly than he could have done with either one.

I informed him before he left that with certain modifications, which I explained, I should advise the Directors to enter into a contract with him. I also informed him that he could not take this as in any way binding us to a contract. With this plainly understood, he agreed to proceed, and arranged to order <sup>our material</sup> ~~same~~ as carefully and fully as if a contract had been entered into.

By doing this I have avoided any delay, and a contract can be entered into as late as the first week in March should the Directors so order, with the hope that the boat may be ready for work in July.

Unless I hear from you to the contrary before Tuesday next, I will call a Director's meeting as noted above.

Very Sincerely

Fred Baker



SEVENTH INTERNATIONAL ZOÖLOGICAL CONGRESS

BOSTON MEETING

1907

SECRETARIES FOR THE ORGANIZATION OF SECTIONS.

GENERAL ZOÖLOGY: F. R. LILLIE, CHICAGO, ILL.  
SYSTEMATIC ZOÖLOGY: D. S. JORDAN, STANFORD UNIV., CAL.  
ENTOMOLOGY: L. O. HOWARD, WASHINGTON, D. C.  
ORNITHOLOGY: WITMER STONE, PHILADELPHIA, PENN.  
PALAEOZOÖLOGY: H. F. OSBORN, NEW YORK, N. Y.  
COMPARATIVE ANATOMY: C. S. MINOT, BOSTON, MASS.  
AND J. S. KINGSLEY, TUFTS COLLEGE, MASS.  
EMBRYOLOGY: E. G. CONKLIN, PHILADELPHIA, PENN.

CYTOLOGY: E. B. WILSON, NEW YORK, N. Y.  
ZOÖGEOGRAPHY: L. STEJNEGER, WASHINGTON, D. C.  
THALASSOGRAPHY: W. E. RITTER, BERKELEY, CAL.  
APPLIED ZOÖLOGY: C. W. STILES, WASHINGTON, D. C.  
COMPARATIVE PHYSIOLOGY: W. B. CANNON, BOSTON, MASS.  
EXPERIMENTAL ZOÖLOGY: T. H. MORGAN, NEW YORK, N. Y.  
HEREDITY: C. B. DAVENPORT, COLD SPRING HARBOR, N. Y.  
ANIMAL BEHAVIOR: H. S. JENNINGS, BALTIMORE, MD.

Copy.

Cambridge, Mass. February 16" '07.

My dear Ritter:

At the request of the Chairman of the Finance Committee, Dr Minot, I am sending you the following statement of the financial plans of the Congress: The local expenses of the Congress for the places to be visited (Boston, New York, Philadelphia, Washington, Toronto and Bermuda) will be met by the local committees of these places. Thus in Boston our local expenses are estimated at from \$4000.00, to \$5000.00. This sum will be raised in Boston and already pledges for \$2500.00, are at hand. The general expenses, covering circulars, invitations, and other incidentals, will be met in part by contributions from the cities named above; but it seems fair that part of these expenses should be met by the country at large.

May I ask you if you will assume the responsibility of raising at least \$100.00, from your region as a contribution to this general fund? I hope that you will attempt this task and take early steps to recure this amount. I have made a similar request of President Jordan.

Very truly yours,

(Signed) C.H.Parker,

Chairman, Executive Committee.

Professor W.E.Ritter,

Berkeley, California.



Cincinnati, O., February 26, 1907.

Miss Ellen B. Scripps,  
La Jolla, Calif.

I to-day received notice from Julius Wangenheim, Treasurer, of a probable draft by him upon me in behalf of the Biological Association for \$2500 to pay on a boat. In your letters to me dated July 30, 1906, September 11, 1906, and September 24, 1906, you indicate that the interest is to be paid to Julius Wangenheim; but do not mention his name specifically in connection with payments upon principal. I notice, however, that in your letters you say that you will probably authorize the officers of the Association or perhaps Professor Kofoid, to make drafts upon me for the Association. I take it from Mr. Wangenheim's letter that you have authorized him to make such drafts as Treasurer of the Association. As you will see from my letter to Mr. Wangenheim in response to his to me (copies of both of which are enclosed herewith) I have informed Mr. Wangenheim that I will honor his draft for \$2500 as he anticipates.

As you have this \$2500 in your cash account I shall pay it into the Biological Fund, taking up from the Fund \$2500 of your Spokane notes, then with this \$2500 I shall pay the draft of Mr. Wangenheim. This payment will reduce the Fund to \$47500., and the monthly interest to \$237.50.

I trust that this will be satisfactory to you.

Very respectfully,

*L. G. Atwood*



EB

Cincinnati, O., February 26, 1907.

Mr. Julius Wangenheim,  
National Bank of Commerce,  
San Diego, Calif.

Dear Mr. Wangenheim:-

My authorization from Miss Ellen B. Scripps in regard to the Biological Association drafts indicates that she would probably authorize some officer of the Association or perhaps Professor Kefoid, to make drafts upon me. I presume that the drafts to which you allude in your letter of February 21, refer to drafts by you as Treasurer of the Association.

In your letter you ask what I would consider as a large amount requiring notice in advance of draft. I should be glad to receive notice of drafts of \$5,000 and over. I should also like to receive notice of any other drafts you expect to make upon me provided it is convenient to give it to me. I shall meet your draft for \$2500. of which you give notice in your letter of February 21.

In your letter you speak generally of drafts of a like character and state that you will draw no drafts except upon the authorization of the Board of Directors; but you say that you presume that I would require no copy of this authorization but will cash the drafts you draw. As my instructions from Miss Ellen B. Scripps mention the name of Professor Kefoid I would be glad to receive in each instance, from Professor Kefoid or some officer of the Association, a line indicating that the draft is properly made on behalf of the Biological Association.

Very sincerely,

L. T. ATWOOD



UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF ZOOLOGY  
BERKELEY, CALIFORNIA

Berkeley, February 26th. 1907.

Dear Miss Scripps,-

Enclosed is a letter relative to the International Congress of Zoologists which is self explanatory. This is the first time that the Congress has ever been held in America, so is a matter of National interest

Ordinarily for such purposes I would apply to friends about the Bay for the necessary financial help, but with existing conditions in San Francisco, and the national import of this occasion, I am asking a few people in other parts of the State to make up the amount. If you are willing to subscribe it will be appreciated. You will be interested to know that the "king of oceanographers" Sir John Murray of Edinburgh, has agreed to come and give the chief paper in the section of Thalassography of which I have charge. I wish it were possible to get some of these famous men out to La Jolla, even if we have to give up having our dedication at that time.

Sincerely yours,

Wm. E. Ritter.



San Diego, Cal., Feb. 27, 1907.

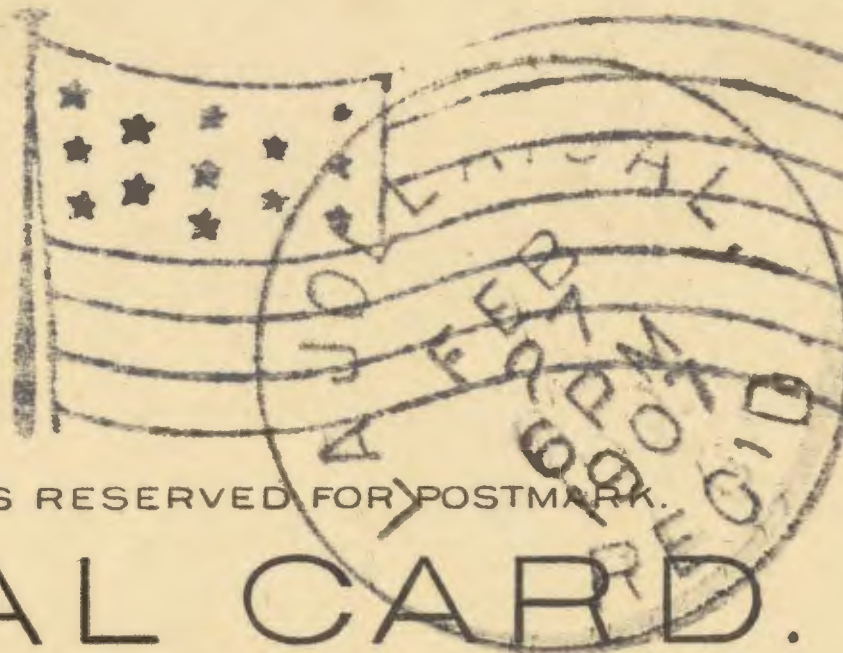
A meeting of the board of directors of the Marine Biological Association of San Diego will be held at the rooms of the Chamber of Commerce Saturday, March 2nd at 2 P.M. for the purpose of discussing the construction of a building and a boat, and such other business as may come before the board.

*F. M. Kelsey.*  
Secty.





SAN DIEGO  
FEB 27  
1-PM  
19 07  
CAL.



THE SPACE ABOVE IS RESERVED FOR POSTMARK.

# POSTAL CARD.

THE SPACE BELOW IS FOR THE ADDRESS ONLY.

Miss Ellen B. Scripps,

La Jolla, Cal.



Wm

Cincinnati, Ohio. March 1st, 1907.

Mr. Julius Wagenheim,  
Treas. Marine Bio. Institute.  
San Diego, Calif.

Dear Sir:-

Enclosed find check for Two hundred and Fifty Dollars,  
(\$250.00) interest from Feb. 1st to March 1st, 1907 on the \$50,000.00  
securities transferred by E. B. Scripps to the Marine Biological Asso-  
ciation.

Kindly acknowledge receipt of this check, and oblige.

We fail to find on our vouchers a receipt for interest  
paid October 1st, 1906 for \$250.00. Please sign the enclosed dupli-  
cate receipt and return to me.

Yours sincerely,

L. T. Atwood,

**F. YINDROCK.**

Per \_\_\_\_\_



SAN DIEGO, CALIFORNIA.

March 2, 1907.

To the Directors of the Marine Biological Association of San Diego:

In handing you the Secretary's financial report, a few words of explanation seem advisable.

As funds do not go through the Secretary's hands but are paid directly to the Treasurer, it is only possible to make a statement by comparison of both accounts. As the accounts of the Association have passed through four hands since the work began under the auspices of the Chamber of Commerce, each with a different system of accounting, Mr. Kelsey decided to open a complete new set of books, which was done on Nov. 27, 1906. It is a source of great satisfaction to those of us who have been in the work from its incipency to find that it has been possible to give a very detailed accounting for every cent that has been spent, and that all checks issued are in the hands of Secretary, as well as vouchers for every expenditure.

This is true of most of the vouchers for later expenditures but as a few are yet to be returned I advised the Secretary not to prepare a statement later than the date above given.

Very Respectfully,

Fred Baker

Dictated.



Miramar, Cal. March 2, 1907.

Prof. W. E. Ritter,  
University of California,  
Berkeley, Cal.

My Dear Mr. Ritter:-

Yours of the 26th at hand. There will be no difficulty about raising the \$100.

It is possible, if you elect to do so, that you may arrange with me for the expense of bringing over and entertaining such members of the National Congress as will accept the invitation and as you would care to have come and see you.

Take the matter up with me some other time.

Yours sincerely,

E. W. Scripps.



copy.

EB

San Diego, California, March 4, 1907

L.T. Atwood, Esq.,  
Cincinnati, Ohio.

Dear Sir:-

I am in receipt of yours of the 26th., and beg to state that I have to-day drawn on you for the \$2500 mentioned by me in my letter of the 21st., and which, you state, you will duly honor on presentation.

Kindly note that we have authorized the expenditure of about \$13,000 in the purchase of a boat, which sum will be drawn on you from time to time.

Also kindly note that at a meeting held on March 2nd., at which Miss Scripps was present, the Treasurer was authorized to draw on you for such funds as might be needed for the prosecution of our work and the fulfillment of our contracts.

The \$2500 drawn to-day will be the first payment on the boat; the second will be made in about a month; the other payments will be made following each other in periods of about a month.

I will, in the course of a few days, send you copy of the authorization and for confirmation of same you will have ample time to communicate with Miss Ellen Scripps.

Very truly yours,

J. Wangenheim,

Treas.



W.P.S.

San Diego, Calif., March 4, 1907.

At a meeting of the directors of the Marine Biological Association of San Diego, held Saturday March 2nd, 1907, at the rooms of the Chamber of Commerce of San Diego, the following motion was made and carried:

MOVED -- That Mr. Wangenheim, the treasurer, be authorized to draw on the funds of the Association in the hands of Mr. Atwood of Cincinnati, for such sum or sums as may be necessary to pay all contracts entered into and to defray all expenses necessary in connection with the building and equipment of a boat for the use of the Association.

This motion was seconded by Miss Ellen B. Scripps, and when stated by the chairman, the motion carried by an unanimous vote.

F.W.Kelsey (a)  
Secretary.



copy. <sup>WBS</sup>

San Diego, California, March 5, 1907.

L.T. Atwood, Esq.,

United Bank Bldg.,

Cincinnati, Ohio.

Dear Sir:--

Herewith as promised, I enclose you Resolution of the Board of Directors, authorizing the treasurer to draw on the funds of the Association in your hands.

I have further had a letter to-day, from Miss Ellen Scripps, in which she says that she will arrange with you so that Mr. Keifoid's signature will not be necessary.

Very truly yours,

J. Wangenheim.

Treasurer.

(Inc).



San Diego, Cal, March 5, 1907

Dear Miss Scripps:

I want to set myself right about a remark I made at the last meeting of the directors. I was wrong when I said I had said to Mr. E. W. Scripps that the new boat would cost over \$12,000. and you were right in saying I had mentioned \$10,000. It was a case of faulty memory last Saturday, for I was confident I was stating facts correctly, but later I thought it over and recalled my remark which as I now remember was that the new boat would cost well over \$10,000. I was calling attention to the fact that our original estimate of less than ten thousand was too little, but as I had not taken bids, I had no idea how far short it would fall.

Pardon my troubling you with a matter of really slight importance

Very respectfully

John P. Baker



**NATIONAL  
BANK OF COMMERCE  
OF SAN DIEGO**  
CAPITAL \$150,000.00

JULIUS WANGENHEIM, PRESIDENT  
B. W. MCKENZIE, VICE-PRESIDENT  
C. FRED HENKING, CASHIER  
J. C. RICE, ASSISTANT CASHIER

SAN DIEGO, CALIFORNIA, March 5, 1907.

Miss Ellen B. Scripps,  
La Jolla, Cal.

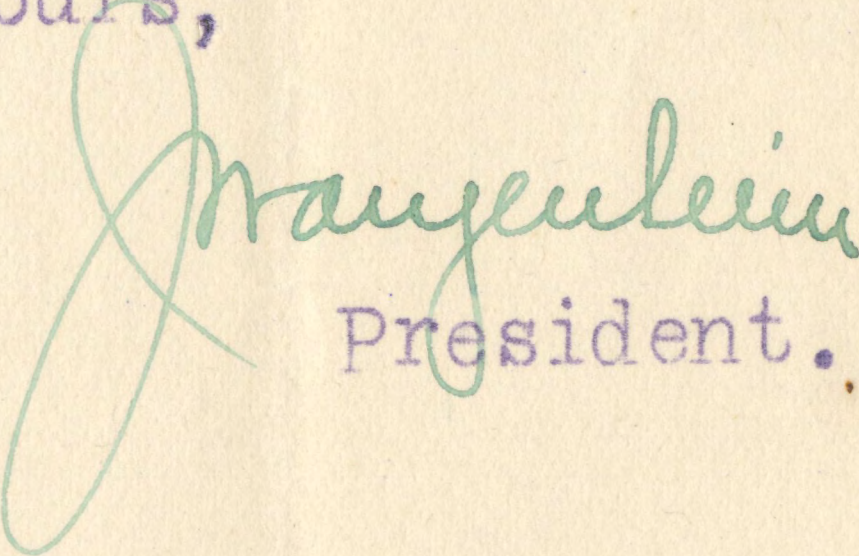
Dear Miss Scripps:-

I beg to thank you for your kind letter of the 4th., and am pleased to note that you have instructed Mr. Atwood that the counter-signature of Mr. Koifoid, under the circumstances, will not be necessary.

I have drawn on Mr. Atwood for \$2500 to make the first payment on the boat when contract is signed; thereafter, I will draw each sum as named for the payment of the boat, and later, in about six months or so, for the engine.

This is all that I will consider myself authorized to draw under the authority from the Board.

Very truly yours,

  
President.



913

Cincinnati, O., March 11, 1907.

Mr. Julius Wangenheim,  
National Bank of Commerce,  
San Diego, Calif.

Dear Mr. Wangenheim:-

I to-day received, under date of March 4, 1907,  
a letter from Miss Ellen B. Scripps directing me to honor drafts  
made by you upon me on account of the Biological Association.  
I also received your letters of March 4 and 5, 1907, with enclosure.

I thank you for the information given in the various letters.  
Your drafts upon this account will be honored as indicated.

Very sincerely,

L. T. ATWOOD



San Diego, Cal. March 26, 1907

Dear Miss Scripps:

I wish to report progress made since our meeting. We have closed a contract with Capt. Jensen to build our new boat, I added various items to the specifications which seemed to me to be improvements of an estimated value exceeding one hundred dollars - and after some dickering we closed with him at \$8350. His bid was \$8875.

Then we took up the question of engines, as I stated when the Directors met, it seemed improbable that we could deal with the Howard Iron Works of San Diego, although many of us felt that they were making the best engine. There was a question of rights to certain patents which made a chance of trouble, I got word directly from the man in whose name the patents were taken out - that his lawyers informed him that he could use them, but he could not prevent the Howard Co. using them also. On this information



tion being received I again began looking up the Howard Engines. They have just completed their first - 65 Horse Power engine, and it ran beautifully. It was constructed as a 65 H.P. and developed under tests 75 Horse Power. All the information I could get seemed so favorable that I strongly recommended buying a Howard. Mr. Kelsey went on the waterfront, meeting some men whom I had not seen, and the opinion among all the best authorities on gasoline engines seemed unanimously in favor of this engine. After what I believe to be a very careful weighing of all arguments, Mr. Wangenheim, Mr. Kelsey and I agreed to deal with the Howard Co. Mr. W. drew up a contract which passed back and forth for amendment, but was put in a form satisfactory to both sides last Saturday, and would have been signed Monday but for the sickness of Mr. Howard. The Co. gives us a guarantee against trouble from Mr. Robbins, who holds part of the patents. They agree to furnish two 25 Horse Power engines fitted right and left, ready for installation on or before May 31<sup>st</sup> with a forfeit of ten dollars a day for each day's delay after that date. We are to



use the engines for one month before paying a dollar for them. If by that time they do not prove satisfactory, the company will remove them at their own expense. The price is \$2600.00. The only other engine which we could get in time was the Union for \$3200. As I believe the Howard Engine is really better for our work, I was very glad to save the \$600.00.

I am contemplating an expense which my boy Robert tells me will be about fifty dollars, and which I am sure will be money well expended. One of the hardest jobs on board the Loma was handling the Sounding Machine. The wire runs out automatically but has to be wound in by two men at cranks. I was out when we sounded to 610 fathoms, and six of us were pretty well tired when we had wound it all in in relays. Robert says it will be feasible to fit gears to one side of the machine, and carry the shafting through the deck to a friction pulley attachable to the flywheel of the hoisting engine, so that we can bring in the lead much faster and of course save much hard work. As soon as the new boat is for



enough along so that we can make accurate measurements, I shall set about making the necessary changes in the machine.

The keel and horn timber of the boat are finished and will be probably be laid this week. It seems to me that there is a great probability of having her ready for a month's work this summer. She is contracted for June 15<sup>th</sup>. If we can get her by July 1<sup>st</sup> it will be soon enough, and a very remarkable result in view of the many unavoidable delays.

Capt. Jensen has a contract for a 65 ft. yacht for Mr. Dorr, of Los Angeles - which will cost nearly \$20,000. She is to be built from plans drawn in New York or Boston, and was planned to carry an Eastern Standard Gasoline Engine of 25 H.P. for an auxiliary. As a result of a telephone talk with Mr. Dorr. this morning, he is to send his chauffeur down to-morrow to investigate the Howard engine, and Capt. Jensen tells me he thinks he will buy it; as the Eastern engine is one of the best made, a decision to change to the Howard would be very satisfactory proof that we have made no mistake



our decision.

As you will have seen, the ordinance authorizing the Mayor & Park Commissioners to pass title to the park to the Board of Regents went through without opposition, and we can have a deed any time. Mr. Thorpe has gone to Los Angeles to secure Mr. Botsford's quitclaim to the same, and your brother will sign also, so we are about ready to push the matter of plans again.

Last Friday Mr. Cotton of the Tolson Brothers Co. came to me with a proposal that his company would furnish plans and estimates for our building. They offer to furnish a complete set of plans, and if satisfactory, a bid for the whole building or such part as we may designate. If we do not accept their bid the matter drops - with no expense to us. After consultation with Mr. Hanyukhin I told him to go ahead. He says if we can come to terms, they can complete the building by Sept. 1<sup>st</sup> in which case we could carry out Dr. Ritter's plan for dedicating the building in September, immediately after the meeting of the International Zoological



Congress in Boston. As this ~~seems~~ seems to be the only possible chance of such a consummation, we shall not be losing very valuable time by awaiting their movements. I take it for granted now that we shall build on the park. I never had any faith that anything could come from the Richards matter. Your brother does not heartily endorse the park plan for reasons which he gave us at the next to the last - Directors' meeting. If you feel that his sentiment in the matter is strong enough to make it - advisable to wait further I will stop proceedings. Otherwise I will push negotiations with Folsom Brothers as actively as possible.

Very sincerely  
Fred. Baker.



San Diego, Cal, April 5, 1907

Miss Ellen B. Scripps  
La Jolla, Cal,

Dear Miss Scripps:

I am planning to go north to-morrow evening to attend the State Medical Society meeting at Del Monte but - I shall also take time to spend two days with the Ritters in Berkeley. Your kind letter of the 2<sup>d</sup> came yesterday - and I will answer it - briefly.

We heard of the Pasadena church of which you wrote before Dr. Ritter went north in January and he planned to see it on his way, but - was unable to find time in daylight - to go over to Pasadena. Then your veto on cement blocks made it seem unnecessary to look into the matter further. I have reported to Mr. Waugenheimer and he will have some friends of his see the church, and report.

Mr. Cotton of Folsom brothers will furnish me a rough estimate to-morrow with an elevation of the ocean side of the building, which I will take to Berkeley with me.



It is understood that in letting him do this work the obligation is on his side and not on ours. If he gives us anything worth while I will report to you at once.

I entered into the contract for the Howard (Neptune) engines as I wrote you I expected to do, with the approval of Messrs. Wangerheim and Kelsey, and feel very sure it was the best thing to do. Mr. Wangerheim told me to-day that he had made further inquiry and heard only favorable comments.

The boat is going on nicely. They are doing much heavy work on the keel and adjacent timbers, Capt. Jenson told me he thought he would have her in frame before my return April 23<sup>rd</sup>. So far the work is splendidly done. As soon as I get back, I hope to see very rapid progress on the plans for the building.

Very sincerely

Fred. Butler



ENB  
San Diego, California, April 6, 1907.

L.T. Atwood, Esq.,

United Bank Bldg.,

Cincinnati, Ohio.

Dear Sir:--

I beg to acknowledge receipt of your check for \$242.50, to be applied to the Marine Biological Association's account.

Kindly note that we will probably draw on you within ten days or so, for another \$2500.00.

Thanking you for your kind attention to these matters, we are,

Very truly yours,

J. Wangenheim,

President.



UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF ZOOLOGY  
BERKELEY, CALIFORNIA

April 22, 1907.

Dear Miss Scripps,-

It will not be long before we shall have to name our new boat, and you should of course take the chief part both in selecting the name and doing the christening. The new boat being as it will be the immediate successor of the "Loma" would it might seem inherit the name of its dead ancestor. There is however another suggestion worth considering in connection with the matter. It is quite the fashion among ~~marine~~ explorers of the life of the sea to name their boats after distinguished men in this field of science. Were we to fall in with this fashion the name Agassiz stands out so prominently that we could hardly look beyond it. The only question to be settled would be, I should think, should it be "Louis Agassiz", "Alexander Agassiz", or merely "Agassiz", assuming that in the last case it would stand for both father and son. What do you say?  
I am expecting to get off for La Jolla about May 20.

Sincerely yours,  
Wm. E. Ritter.



ERSS

San Diego, Cal. April 23-07

L.T. Atwood, Esq.,

Cincinnati, O.

Dear Sir;

Kindly note that we are again drawing on you today for \$2500.00 being the second installment for the boat fund; in about three weeks or so we will draw the third installment.

Trusting that this is all satisfactory and that the draft will be duly honored, we are,

Very truly yours,

San Diego Marine Association  
by Julius Wangenheim



Cincinnati, Ohio April 25, 1907.  
San Diego, Cal. April 25. 1907

Dear Miss Scripps:

I returned from the north Tuesday evening and should have reported to you yesterday, but I delayed until I could visit the new boat - which I was able to do this morning.

The boat is going on rapidly, but has been delayed by the accident in the Russ Mill where they were getting out some of our material. She will be in frame this week. That is the ribs and heavy timbers will be placed. This is the heavy work and the slowest. Next week she will grow more rapidly, and the indications are still that we shall do nearly or quite a month's service with her this summer - as planned.

I spent several days in Berkeley, and one long evening with Drs. Ritter, Kofoid and Torrey, discussing the plans. I wrote you of Folsom Brothers' proposition to furnish plans and an estimate for our new building. Before I left they furnished a front elevation of our long



side of the building, and reported that they thought they could build the portion including the central two story part, one low wing, and the two story corner for \$21,000.<sup>00</sup> with basement and the inside corridor. Construction to be of brick with stucco.

The plans contemplate seven rooms on each side of the high central portion besides the high corner portions. After careful consideration we all agreed that the central portion and four rooms on each side would give sufficient floor space besides allowing greater flexibility in the ultimate handling of the problem for a completed building. It seems probable that our original plans would make a larger building than will ever be needed. Building as suggested above does not tie us to any size, for we can stop with four low rooms on a side, or we can extend to include seven if it seems advisable at a later date.

As to plans, those submitted by Folsom Brothers were in a waste, but Dr. Ritter showed them to Miss Morgan, who is one of the busiest and most successful architects in the bay region, and after picking the flaws in them, she finally offered to sketch front



and rear elevations for us free of charge charges, and these will be sent down to me in a short-time. With the plans of floors, tables and closets already furnished from Berkeley, and these sketch plans and good builder or fairly good architect will probably be able to furnish a satisfactory set of plans and specifications. At least I will again try Folsom Brothers. If they fail or are unable to furnish a satisfactory bid, we shall be in position to know just what we want, and to have plans and specifications satisfactorily drawn at no great expense.

On the way down Dr. Charlotte and I left the steamer at Port Los Angeles and went over to inspect the Presbyterian Church in Pasadena of which you wrote me. It is a magnificent building and was very satisfactory to Dr. Charlotte who is more critical than I am and has your prejudice against the cement blocks. I shall be glad to report to you about it when I see you next. I think you would be satisfied if the biological building could be treated as the church has been, but for reasons which I will not go into now. I think this would probably make the construction now ex-



persive than some ~~other~~ method of construction which would be more satisfactory.

One other matter Dr. Ritter wished me to write about. It now seems certain that we can secure a perfect title to the La Jolla Park, without expense, except for the claim of the Whitney heirs, represented by Mr. Treat. Dr. Ritter has a letter from Mr. Treat saying he considers the claim worth \$1000.<sup>00</sup> but he will sell for \$500.<sup>00</sup>. The attorney for the Board of Regents insists that this claim must be settled before we begin to build. Five hundred dollars seems to all of us an exorbitant price to pay for the claim, but if we do not buy, the University must begin condemnation proceedings, or a suit for partition. Either course will entail considerable expense, and the condemnation suit might lead to a more exorbitant price being fixed. Under the circumstances it seemed advisable to both Dr. Ritter and myself to pay the \$500.<sup>00</sup> unless we can get it for less. If this view of the matter seems correct to you would it not be advisable to call the Directors together soon to settle the best course, and authorize the best course of action?



Dr. Kofoid will be down in three or four weeks to begin work, bringing his assistants with him. Dr. Ritter may come with him, or may delay a short time, as he has some work to finish in Berkeley. Dr. Torrey plans to come late and stay late, as both Dr. Ritter and Dr. Kofoid plan leaving a little earlier than usual.

I purpose seeing the City Attorney to-morrow to have him draw a deed passing the title of the park to the Regents. This I will send north for approval, and have signed up at the earliest possible date. Mr. Botsford has signed a quitclaim, and Mr. F. J. Scripps is ready to sign his Barring the Whitney or Treat-claim. I now see no obstacle in the way of pushing the building ahead rapidly as soon as we can make up our <sup>minds</sup> as to plans and material. It would give me great satisfaction if construction could be well under way before Dr. Ritter leaves us.

Very sincerely,

Fred. Baker.



Botanical

San Diego, Cal.

Cincinnati, Ohio. April 30th, 1907.

Miss E. B. Scripps,  
La Jolla, Calif.

Madam:-

I have to day paid draft drawn by J. Wagenheim for \$2500.00  
from the Marine Biological Institute fund reducing the fund to \$45000.00.

Respectfully,

L. T. Atwood,

Per

Frank Yudovich



UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF ZOOLOGY  
BERKELEY, CALIFORNIA

May 6, 1907.

Dear Miss Scripps,-

I am glad you vote for the name Alexander Agassiz for the boat. This is my preference. The name Agassiz is much honored in this country, but to most people it means Louis Agassiz. In such a case as ours at any rate there should be no room for question that Alexander is the man we particularly wish to recognize.

I am glad you're off for a good outing, but shall be somewhat disappointed if you not at home for the christening. Probably we can make that event fit your program.

As to the site - I know your brother is right in the feeling that we ought to have more land and to be farther from the merry-go-round center. The hard question is where and how are we to get such a location?

Since we certainly cannot settle this matter without you, and you are to be away for some time after the middle of this month, I will probably take my vacation at the same time and count on getting to La Jolla for business about the middle of June.

With best wishes for your auto. trip - I am

Sincerely yours,  
Wm. S. Ritter.



San Diego, Cal. May 3, 1907

Dear Miss Scripps:

Your kind letter just received and noted. I do not know just when Drs. Patten and Hooid will be here, but as it seems to me there is no urgency about settling the questions under discussion until after your return, I wrote of accomplishing certain things before the departure of the University people, but even that is not necessary. In any case we cannot now have any portion of a new building finished in time for occupancy this year. And at all events it is better to take any time rather than to take a wrong step.

As I look back over the past four years it seems to me that we have been singularly free from blunders of serious character, inasmuch as the "Loma" matter finally yielded fair results, and I hope we can say as much when the permanent work is undertaken. The decision as to a site is the most important yet before



us - and must now be settled for all time; otherwise we shall squander a great deal of money, I am therefore of the opinion that sufficient time should be taken so that you and your brother, and Drs. Ritter and Kofoid should be in absolute accord in the matter.

I have not seen the new boat since I wrote you but I have no doubt it is progressing satisfactorily.

Very respectfully  
Fred. Baker



Cincinnati, O., June 20, 1907.

Miss Ellen B. Scripps,  
La Jolla,  
Calif.

Madam:-

I yesterday paid draft drawn by J. Wangenheim for \$2,000  
from the Marine Biological Institute fund, reducing the fund to  
\$43,000.00 .

Respectfully,

L.T. Atwood,

Per Frank Yudrook



San Diego, Calif. June 13th, 1907.

Mr. L.T. Atwood,  
Cincinnati, O.  
Dear Sir:-

Kindly note that I have this day drawn on you in the amount  
of Two Thousand Dollars, same being third payment to the boat fund.

Yours very truly,

Julius Wangerheim,  
Treas.  
Marine Biol. Assn.



EBS

Mr . L.T. Atwood,

San Diego, Cal. June 6, 1907

Cincinnati, O.

Dear Sir;

I am in receipt of yours of the 1st., enclosing \$225.00 as interest for May on the E.B. Scripps securities for the Marine Biological Association.

Very truly yours,

J. Wangenheim,  
President



*Biological*

Orig. Vouchers--Copy 1f & EBS

— San Diego, Calif. July 18th, 1907.

Mr. L.T. Atwood,  
United Bank Bldg.,  
Cincinnati, Ohio.

Dear Sir:-

Kindly note that I am this day drawing on you for \$2000.00  
on account of the Boat Fund for the Biological Institute.

Kindly honor the draft when presented and greatly oblige,

Very truly yours,

Julius Wangerheim,  
Treasurer.



*Protonal*

FROM E B S' FILES

FROM  
AUG 15 1932

Cincinnati Ohio, July 25, 1907.

Miss Ellen B. Scripps,  
La Jolla, Calif.

Madam:-

I have today paid draft for \$2000.00 upon the funds of the  
Marine Bio. Institute, reducing this fund to \$41000.00.

Respectfully,  
L. T. Atwood,

per *Frank Yudrock*



Atwood

FROM E B S' FILES  
AUG 15 1932

Cincinnati Ohio, July 24, 1907.

Miss. Ellen B. Scripps,  
La Jolla, Calif.

Madam:-

Enclosed find an order authorizing me to pay \$415.76, the interest for May and June upon your notes to L. T. Atwood, Trustee. Please sign this order and return to me.

Respectfully,  
L. T. Atwood,

per Frank Yudrock

P.S. overlooked when transferring  
to new Int due Book. F.Y.



Spokane

FROM E B S' FILES  
AUG 15 1932

Cincinnati Ohio, July 25, 1907.

Miss Ellen B. Scripps,  
La Jolla, Calif.

Madam:-

Enclosed find an order authorizing me to pay the  
Spokane Newspaper Company interest for June 1907, amounting  
to \$123.02 and to charge \$61.51 to your cash account.

Please sign this order and return to me?

Respectfully,

L. T. Atwood,

per Frank Atwood



San Diego, Cal., Aug. 6, 1907

Mr. L.T. Atwood,

Cincinnati, O.

Dear Sir;

We acknowledge with thanks, receipt of your check for \$213.33, same being interest on securities transferred by E.B. Scripps to the Biological Association, and same was this day credited to the account of the Association.

Yours very truly,

J. Wangenheim,



Cincinnati, O., Aug. 26, 1907

Miss E.B. Scripps,

La Jolla, Cal.

Madam; We have today paid a J. Wangenheim draft for \$1000. from the Marine Biological Institute Acct. reducing the fund to \$40000.00.

Respectfully,

L.T. Atwood,

per

Frank Yudrock



---

*You are cordially invited to attend a Free Lecture to be given by Professor H. S. Jennings, of Johns Hopkins University, at Unity Hall, on*

*Saturday Night, August 11th,  
at 8 o'clock,*

*Under the auspices of the San Diego Marine  
Biological Association.*

*This lecture, illustrated by fine stereopticon views, is one of exceptional interest, dealing with the structure and habits of marine animals found along the shores of La Jolla and Pacific Beach. It cannot but awaken interest in this department of nature study in which Professor Jennings is one of the world's most famous workers. We are sure you will not regret giving him the encouragement of your presence on the evening mentioned.*

*This invitation will admit the bearer and one other.*



FROM E B S' FILES  
AUG 15 1932

Miss E.B. Scripps/  
La Jolla, Cal.

Cincinnati, O., July 29/07

Dear Madam;

On June 17/07 we sent you an order for your signature, authorising me to pay the Spokane Press June expense and to charge \$103.22 to your Cash Account.

We have not as yet received this order from you and thinking perhaps it has been mislaid or lost I herewith enclose a duplicate which please sign and return to me.

Respectfully,

L. T. Atwood,

per

Frank Yudrock



P R O X Y.

*Henry Neely*

FROM E B S' FILE  
AUG 15 1932

BE IT KNOWN THAT I, the undersigned stockholder in the Evening News Association, a corporation under the laws of Michigan,

do hereby appoint \_\_\_\_\_ my true

and lawful attorney, with power of substitution and revocation, for me

and in my name to vote my stock at the special meeting of the stock-

holders of said corporation, to be held at the office of the Company in Detroit, Michigan, on Thursday, August 15th, 1907, at 10 o'clock A.M. or at any adjournment of said meeting, with all powers I should have if personally present.

Done at LaJolla, this \_\_\_\_\_ day of

\_\_\_\_\_ 1907.

*HWB*



*Handwritten signature*

copy E B.S.

San Diego, California, Sept. 10, 1907.

Mr. L.T. Atwood,

United Bank Building

Cincinnati, Ohio.

Dear Sir:--

I beg to acknowledge receipt of your kindly check for \$204.33, on account of the Marine Biological Association. I beg to thank you for same.

Yours truly,

J. Wangenheim, Treas.



Miss E.B.Scripps,  
La Jolla, Cal.  
San Diego Co.

Cincinnati, O., Sept. 11, 1907

Madam;

We have today paid draft drawn by Julius Wangenheim for \$2500.  
from the Marine Biological Institute account reducing it to \$37500.

Respectfully,

L.T. Atwood,

per

Frank Yudrock



UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF ZOOLOGY  
BERKELEY, CALIFORNIA

September 15th. 1907.

My dear Miss Scripps:-

To explain why I have not written before would necessitate more talking about myself than I like. I will merely say that I am surely nearer myself now than I have been in two months at least. The good treatment I received at Miramar and South Moulton Villa is bearing fruit.

I cannot introduce my ideas about the enlargement of scope of the Station in a better way than by a few reflections on "applied" science, or what is the same thing "science for the good of mankind" as contrasted with "pure" science, or "science for its own sake".

It appears that most scientific men who uphold the notion of science for its own sake mean only that science should be pursued without reference to industrial or commercial ends. They say research in pure science is always after truth and hence must be of benefit to man some time, in some way. What they mean, they say, is that the investigator should be enabled to follow his special ~~lead~~ without having to take the least thought about what particular utility his results will have. To the dictum thus interpreted I fully assent. This however, is far from establishing its truth as a general proposition.

In denying the justifiableness of "science for its own sake" what I mean is not that each investigation should be prosecuted with reference to some utility but that scientific men themselves should take a large part in applying these truths to the general needs of mankind. I do not believe that biologists for example, could in any way defend themselves in taking the ground that "here are our discoveries free for all. We are glad to have you take them and make what you can of them for man's welfare; but as for us, our share is done in having made the discoveries". No, I do not believe it should be left to outsiders to select from the great



mass of technically expressed results of the special sciences, a few that can be applied to the betterment of man. It is the duty of someone within the pale of each science to show the significance for mankind of that science both in its general bearing and its special findings.

Here comes the opportunity and the duty of institutions. An institution being an instrumentality through which numbers of individuals work, is able to compass a range of activities that a single person cannot however catholic his interests may be.

My idea is that theoretically the La Jolla Station should be a biological institution of the very broadest aims; and that practically its undertakings at any given time should be determined solely by what material for research is most available, what problems are most in need of attention, and what facilities in the way of men, equipment, and funds, are at command. On this basis nothing would be undertaken that would impair what we are now doing and are planning to do. Any new enterprises would be in addition to those now on hand. In keeping with this conception I would certainly make the utilization of biology for the benefit of man an aim. Such utilization for industries and for medicine I would not undertake at present ~~or~~ for the simple reason that many government and privately endowed institutions the world over are already occupying these domains with great efficiency. Neither would I for the present at least, make much of the instruction of beginners in biology since innumerable schools, colleges, societies, popular publications etc. are already splendidly engaged in this important work.

There is however a field for applied biology that is almost wholly unoccupied, at least in an institutional way. I refer to that in which the science must be invoked to the end ~~that~~ of more exact and rigorous understanding of and control over man himself by himself. "Eugenics" meaning race-culture, I have spoken to you about somewhat. This is an undertaking conceived by Francis Galton, a distinguished English biologist and humanist, and a relative of Charles Darwin. It has the active support of several of the ablest men of science in England. A laboratory for the investiga-



tion of certain of its special problems has been started at the University of Cambridge. This is one but only one of the ways "pure" biology will, I am confident, in future become "applied" biology for the ennoblement of mankind. I would like to see the La Jolla Station, if it is to expand largely, headed in some direction similar to this, not with loud proclamation but with quiet, clear-visioned determination. I do not know that I would favor using the term Eugenics at all in our announcements. Perhaps its aims in the Englishman's definition, we should not find it best to adopt. In America the word has been caught up and hurled about by people who though possibly well intentioned, are utterly incapable of doing anything with the subject either in spirit or substance of the kind that is being done in England. So far as it has reached general attention at all here, it has I suspect, done so as a catch word of charlatanry.

The essence of all the best biological endeavor today whether "pure" or "applied" so far as methods are concerned, is toward greater exactness. This brings me to the suggestion I made to you in a conversation as to our course in the immediate future. It was that we add a mathematical biologist to the Station staff at once, employing him with the understanding that his duties would be not only to direct research in those ~~aspects~~ ~~aspects~~ aspects of the Station's investigations that require special mathematical skill but also to give lectures for the whole laboratory staff and such outsiders as might care to hear them, on the general methods and significance of the mathematical treatment of biological problems.

I think I know exactly the man for such a place. He is Dr. Raymond Pearl who has just been called to the University of Maine from the University of Pennsylvania. I am seeking more information about him as a man, and with the approval of yourself and the Board of Directors and the funds permitting, if he is as good as I believe him to be from his published works, and can be secured for next summer, I shall ask him to come for the summer's work first, but with the hope that he may become a permanent non-resident member of the staff.



Again nothing would be more accordant with the general aims here indicated than to invite some one of the group of Englishmen above referred to to give a course of lectures at the Station setting forth their methods of attack on problems of the human race and human society, and something of what it is hoped will result from their efforts. This could be done with the special intention of helping us to decide whether our conditions and facilities would warrant our taking up in the not distant future studies of kindred nature.

The directions for possible expansion within the biological realm proper are so numerous and inviting when once one comes to look at the matter from a commanding standpoint that it would be hard for us to decide what to keep our hands off, however bountiful an endowment we might have.

Mr. E.W. Scripps' suggestion about making the metes and bounds of the Station so elastic as to enable them some time in the future to stretch around certain enterprises of a general educational nature I have thought much about. For my part I should not deem it wise to draw the lines so that anything undoubtedly educational would of necessity be kept out for all time. I do not believe in shackling the future. I should however quite expect that were we to commit the institution to biology in the large sense, there would be little inclination to go beyond that for at least a number of generations to come.

Looking into the future by the light of the past and present, it is safe to predict that experiments and devices in general education will abound like the stars of the firmament, and I can hardly imagine that a biological enterprise conceived and realized in the best spirit of the science will ever be inclined to turn away from its high calling.

When the time for dedicating the first section of the new laboratory comes next summer, I wish that we might be ready to mark out definitely a largely expanded program for the immediate future.

Hoping that you are continuing as well as when we were with you.

Very sincerely yours,

Wm E. Ritter



**NATIONAL  
BANK OF COMMERCE**  
OF SAN DIEGO  
CAPITAL \$150,000.00

JULIUS WANGENHEIM, PRESIDENT  
B. W. MCKENZIE, VICE-PRESIDENT  
MELVILLE KLAUBER, VICE-PRESIDENT  
L. M. AREY, ASSISTANT CASHIER

SAN DIEGO, CALIFORNIA, Sept 23, 1907

Miss Ellen B. Scripps,  
La Jolla, Cal.

My Dear Miss Scripps:-

Kindly note that I have received a check of \$3,000 from Mr. Atwood, and have credited it to your "Special" account.

In drawing on this account, you may as you suggest, use your present checks merely writing <sup>after</sup> your signature "Special account."

From what you state, I presume that you desire \$1,000 of this "special" account transferred to your "Personal" account. Also another \$1,000 of the "special" account transferred to the Biological Ass'n., to re-emburse them for the \$1,000 paid to the city for "Pueblo #1298". Kindly advise me if this is correct, and either send us checks for same or authorize me to make the transfers.

In reference to the Bank stock, you may send a check to me or to the Bank of Commerce & Trust Co., for \$2,000. I again reiterate that I would, should you desire it, be glad to advance any part of it for you.

I note that your "personal" account on our books is \$1398.93. The transfer of \$1,000 from the "Special" account will make it \$2398.93 and whether this balance will be sufficient, you only will know.

At any rate, we are at your service.

Yours truly,

*Julius Wangenheim*



UNIVERSITY OF CALIFORNIA  
OFFICE OF THE PRESIDENT

Berkeley, September 24, 1907.

Dear Miss Scripps:-

Professor Ritter has shown me his letter of September the fifteenth addressed to you. It was a very interesting letter, and, so far as I can understand its implications, I am in agreement with him. It certainly seems to me now well proven that the La Jolla Station meets a real need, and has in it the beginnings of a great institutional life of great service to mankind. I believe that its educational use will develop with time and we shall know better a generation from now than we do to-day exactly what this use is. I agree with your brother that there is no reason why such limitations should now be put upon the institution that it cannot adapt itself to nay opportunity which future years may unfold. At present it is perfectly clear that it has a present work, and that it can advance to the fulfillment of it. I think we should now unhesitatingly move ahead. I am ready to do what I can and to lay a strong hand on the work. I want you to see the institution established in a form that represents something of what it is to be. Our long uncertainty as to location must be regarded now as past. Let us move strongly forward. I shall be very glad to sometime during this autumn or winter to call upon you at any time you may think best. Believe me to be

Very faithfully yours,

*Benj. I. Wheeler.*

Miss Ellen B. Scripps,  
La Jolla,  
California.



San Diego, Cal. Oct. 11. 1907

Dear Miss Scripps:

Am just in receipt of your favor of yesterday enclosing one from Mr. Linsky which I have answered.

I have been planning to write you for the past week to tell you how enthusiastic I am about the new boat. The engines are still giving trouble, but are steadily getting in better shape. Mr. Howard has returned from the north and is giving them his personal supervision. They have put on larger carburetors, and they worked nearly perfectly yesterday. I feel very confident that they will prove satisfactory.

But as a sailing vessel she is beyond criticism. She is very fast, very steady, and very dry. Then she handles wonderfully easily. Though she is two or three times as large as the "Loma" she manages and steers quite as easily and is much faster. The winches came in by the last Hawaiian steamer, and Capt. Jensen put them on at once so that the last time out we were able to use the center board.



With this her work was perfect; Capt. Jensen has just given her her last coat of paint, and is working on some odd jobs of finishing. The two anchors are still to come. I think a boat is looked for next Thursday, which should bring them. I think in a week or two Capt. Jensen's work will be done, and we shall accept the boat and settle with him. I hope the engines will be ready as soon, and we can finish up the whole job.

After the engines are ready, I may have to set a crew to work trying them out thoroughly. Heretofore, by running Sundays, Robert and I have done all trying out with no expense, but after the engines are turned over, we have a month to test them, and four trials will scarcely be enough. I cannot get away many days except Sundays.

I have not heard from Mr. Gill since I took him out to the land, but suppose he is at work.

Very sincerely,

Fred. Baker



UNIVERSITY OF CALIFORNIA  
OFFICE OF THE PRESIDENT

Berkeley, October 15, 1907.

My dear Miss Scripps:-

I am hoping to have the opportunity of calling upon you at La Jolla next Sunday. I wrote to your brother sometime ago saying that I should be in the South about that time and that I hoped I might see him also. His secretary returned answer that he thought Mr. Scripps would be home by that time but at the present he was in Arizona. I am to speak Saturday evening in Los Angeles, and directly after shall take the train and be in San Diego Sunday morning early. Some time in the forenoon I shall call upon you, and hope to have the opportunity of studying the new site for the laboratory and hearing about the conditions for the whole school and its equipment. I shall return from San Diego to Los Angeles on the train Sunday night, as I must be back in Berkeley by Tuesday. I can be addressed at Los Angeles on Saturday at the Hotel Alexandria. Hoping that it will be convenient for you to see me on Sunday, and looking forward with much anticipation thereto, I am

Very faithfully yours,

*Gen. J. Wheeler*

Miss Ellen B. Scripps,  
La Jolla,  
San Diego County, California.



Cincinnati, O., Nov. 1/07

Subject-E.B.S. Securities Transferred to Marine Biol  
Assn.

Mr. Julius Wangerheim,

Treas., Marine Biol. Assn.,

% Nat'l Bank Commerce,

San Diego, Calif.

Dear Sir;

Enclosed find check for \$187.50 interest for Oct./07 on the securities transferred by E.B. Scripps to the Marine Biological Association.

Kindly acknowledge receipt of this check, and oblige,

Yours sincerely,

L. T. Atwood,

F. YINDROCK.

per \_\_\_\_\_



Orig v- copy fl., & E.B.S.

San Diego, Calif., November 6, 1907

L.T. Atwood,

United Bank Bldg.,

Cincinnati, O.

Dear Sir:-

We beg to acknowledge receipt of your favor of the  
1st. inst., addressed to Mr. Julius Wangenheim, President,  
enclosing check of \$2,000 for credit Ellen B. Scripps' special account  
and \$187.50 for credit of San Diego Marine Biological Ass'n.

Yours very truly,

J.S. Hawley, Jr.,

Cashier



Miramar, Cal., November 9, 1907.

-: Proposed New Biological Station :-

Prof. W. E. Ritter,  
University of California,  
Berkeley, California.

My dear Professor:-

Yours of the 4th instant is at hand.

I suppose a Professor is not supposed to know much about the money market.

I think it is advisable to tell you that it is just possible that there is going to be such a disturbed condition of affairs in the business world as will make it a somewhat more difficult proposition to begin building, than it would have been under ordinary conditions.

Most everybody in the business world is now busily engaged taking stock and considering how best to finish work begun, rather than laying plans for any sort of future action.

It seems to me just now not only possible but probable that my own personal attention will be for some time entirely absorbed by my own business affairs.

Of course, I hope that this is only a squall, but I am betting one hundred to one it's a hurricane.

Yours sincerely,

E. W. Scripps.

-X-



Miramar, Cal., November 23, 1907.

-: Engines for the Alexander Agassiz :-

Dr. Fred Baker,  
San Diego, California.

Dear Sir:-

A letter addressed to Mr. Scripps by Mr. Carl S. Cliff was turned over to me. He stated that at the time the Howard engines were put in the Alexander Agassiz, he, or no one else, had no chance to bid on these engines. He states that the Howard people have given up trying to make their engine perform satisfactory work, and that the Association would have to secure new engines for the boat.

Mr. Scripps desires me to tell you that as Mr. Cliff is an old business acquaintance, and has always been absolutely fair, that he would appreciate your giving Cliff an opportunity to bid on the new engines.

I will say for myself that the Union engines handled by Cliff is one of the best I know of. I have had an opportunity to see several of the four-cylinder Union marine engines that have been in operation quite a while, still performing excellent service.

Yours sincerely,

(Sgd) John P Scripps

-X-  
JPS



San Diego, Cal. Nov. 27. 1907

Miss E. B. Scripps.  
La Jolla, Cal.

Dear Miss Scripps:

I have not troubled you for a long time with reports, because there was considerable uncertainty about several important matters, now however certain matters have been definitely settled, and I trust you will be interested in a report.

We have accepted the "Alexander Agassiz" from Capt. Jensen and she has been the property of the Biological Association since Nov. 1<sup>st</sup>. There are three small matters still to be done in his line, and by mutual agreement we have retained about fifty dollars till he has completed them. Aside from this we have settled in full.

The report on the engines is in some respects less satisfactory. As you know the "Neptune" engines we put in have never worked to our perfect satisfaction. In view of



Certain facts brought out by our trial trip Nov. 1<sup>st</sup> to 3<sup>d</sup> this is probably very fortunate for us. On Friday night while running nearly due West from Pt. Loma, we encountered a very heavy head sea without much wind. With our engines running somewhat below full speed we made not much over a mile an hour. Had there been a heavy head wind it is probable that we could not much more than have held our own. In view of this fact everybody aboard was convinced that the boat needs very considerably larger engines.

I think you learned from Dr. Ritter that about the time our engines were delivered Mr. Howard closed his works here, packed his machinery, and made all arrangements to move the whole plant to Seattle. At the time I greatly regretted this, as one of the large inducements in choosing these engines was the fact of the shops being right here to furnish repairs.

Mr. Howard left ~~us~~ with us Mr. Winston, a very competent machinist, but not very experienced as a gas engineer. He has worked very faithfully, but has never succeeded in making the engines run perfectly, without some missing, for a whole day. I feel



sure that a skilled gas engineer would have found the source of trouble, and would have made the engines work satisfactorily. I consider it very lucky for us that Mr. Winston has been unable to do this.

As soon as we returned from our trip, being convinced that the engines were too light, I laid much stress on the necessity for perfect-running. Mr. Winston was discouraged, and reported unfavorably to Mr. Howard, who came to me to-day offering to take the engines out at his own expense, an offer which I was very glad to accept. This is in accordance with the contract which guaranteed perfect-running, but I am sure, if Mr. Howard had not dismantled his shop, that he would have worked longer before giving up - and I am almost sure that he would have overcome all difficulty so that we should have been obliged to accept the engines.

The installing of new engines will cause us some expense but this will not be large - inasmuch as we shall be able to use the old tanks and pipe connections with the possible exception of the exhaust-pipes. I am



sorry that any mistake should have been made, but am not sure that it has not been very lucky. If we had bought a pair of 25 horse power engines of any other approved make we must have paid for them outright, instead of buying <sup>on</sup> approval. At the time of purchase, I was unable to find anyone of having sufficient knowledge to determine just what power we needed, and I even seriously considered putting in a pair of twenty horse power engines, which would have been almost ludicrously inadequate.

Now, at not very great expense, we have had opportunity to try engines actually in place, and we have certain data that we can bank on, and data which we could not have secured in any other way, unless we could have found some marine architect competent to figure it. I did not know where to look for such a man, and at the time of entering into a contract we did not have any time to look about. Even now I somewhat doubt if this could be figured in view of all the problems involved by our special kind of work.

In securing new engines I shall recommend not



less than thirty horse power for each engine, and at present I am very strongly inclined to recommend a pair of forties. This means considerably greater initial expense and somewhat greater expense in running, but it means considerable saving in time, and greater safety for the boat. The engines now in her give sufficient speed for all of our work, and we did beautiful work in her - but in the course of years we shall some time almost surely be caught at La Jolla in a storm and will have to run out against heavy sea and wind. Our trip demonstrated the inadequacy of the twenty-five horse power engines so completely for such an emergency, that I feel sure it would be economy in the long run to put in much heavier engines. As soon as I can secure full data as to cost, time of delivery, efficiency &c, I will submit the question to you for final settlement, or if you prefer, will call the Directors together.

I think I can say positively that our various trips, and especially the last one, have demonstrated the almost perfect fitness of the boat for the work.



The last day out - we did dredging and towing and various net-work. The sea was rather rough, but we did our work in all directions without paying any attention to the course of the waves or the direction of the wind, even dredging in the trough of the sea, in a manner which would have been absolutely impossible in the "Loma". I am enormously pleased with the boat, and believe that when adequately engaged, she will prove herself to be the best-biological boat in existence outside the large government-boats like the Albatross. Prof. Gilbert - of Stanford who has had charge of the Albatross on several extensive expeditions for months at a time, was visiting me, and went on our trip with us. He was enthusiastic about the "Agassiz" and says she will do some work even better than the Albatross.

On our trip we hired a cook who turned out to be a most-efficient sailor and a fair navigator. Everybody aboard felt sure that he was just such a man as we need for our work. He is a hard worker and probably competent to take full charge of the work in place of Mr. Cabral, and we can get him for less money.



It seems almost-sure that we shall need a Keeper on the boat, an expense I am sorry to have to incur, but there is so much tackle and material above decks which could be stolen, that I am afraid to leave her alone. It is also probable that we shall be obliged to keep a light-on her at-night, though this is not yet-definitely determined. In that case a Keeper would almost-surely be needed.

In view of all this and in order to try him out—during the winter work—I engaged Mr. Cooper to take charge at-a wage of \$1<sup>75</sup> a day, which he is now earning by doing a lot-of fixing up of the boat—which was not in the contract. To keep him permanently, will take larger pay, as he is trained to take out-Mate's papers—but-for the present—he is content. If it should be possible to hold him permanently as would almost-surely be the case a year or two later, Mr. Telsey and I are strongly of the opinion that it-should be done.

Very respectfully,  
Fred. Baker.



UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF ZOOLOGY  
BERKELEY, CALIFORNIA

Nov. 30, 1907.

Dear Miss Scripps,-

Are you planning to be in La Jolla during the Christmas period - or at least in the vicinity? -? Since the "Agassiz" is not going to be in shape for work, and since building matters are not likely to be pushing, I had <sup>thought</sup> that it might not be worth while for me to make the trip to S. D. this winter, but that I would be better to do a week's work on the coast further north - a thing I have long wanted an opportunity to do.

There are, however, two or three very important Station matters ought to discuss with you before next summer - as early as possible, in fact; so if you are to be at home well, I think we should do so for a few days.

Mrs. Ritter joins in kindest wishes and says tell you ~~that~~ that not seeing you this winter (she does not expect to go down) will be a disappointment to her.

Sincerely yours,

Wm. S. Ritter.



Miramar, Cal., Nov. 30, 1907.

-: Engines for the "Alexander Agassiz" :-

Dr. Fred Baker,  
San Diego, Calif.

Dear Sir:-

Yours of the 29th received.

You state that Cliff made a bid and that you have his bid in writing. You ask me to draw certain extracts from his letter regarding this.

I do not feel at liberty to do so, but nevertheless I take it from his letter that he did not have a fair show in the matter of these engines. He does not state positively that he did not get a chance to bid on the engines, but that is the fact that I gather from reading his letter.

If, as you say, Mr. Cliff had a chance to bid on these engines, then it is up to him this next time to bid within reason.

I thank you for your letter.

Yours sincerely,

J. P. Scripps.

- -  
JPS



Subject-Int. on Securities transferred by E. B.S. to Marine  
Biol. Assn.

copy sent EWS-E.B.S.

Cincinnati, O., Dec. 2/07

Mr. Julius Wangerheim, Treas.,

Marine Biol. Assn.

% Nat'l Bk. Commerce,

Dear Sir;

Enclosed find check for \$187.50 interest for Nov./07 on the sec-  
urities transferred by E.B.Scripps to the Marine Biological Association.

Please acknowledge receipt of this check, and oblige,

Yours sincerely,

L.F. Atwood,

*F. YINDROCK.*

per \_\_\_\_\_



Biological

Orig. Vouchers--Copy 1f & E.B.S.

December 7th, 1907.

Mr.L.T.Atwood,  
United Bank Bldg.,  
Cincinnati, Ohio.

Dear Sir:-

We beg to acknowledge receipt of your favors of the 2nd inst. enclosing check of \$1,000 which we place to the credit of E.B.Scripps' special account; and \$187.50 which we place to the credit of the Marine Biological Association.

Mr.Wangenheim is out of town, but this will not interfere with the completion of your wishes.

Trusting this is satisfactory, I am,

Yours very truly,

J.S.Hawley, Jr.

Cashier.



Biological

FILE #80

Miramar, Cal., December 10, 1907.

-: Business Affairs of Biological Association :-

Mr. Julius Wangenheim,  
C/o Bank of Commerce & Trust Co.,  
San Diego, California.

My dear Mr. Wangenheim:-

I enclose copy of a letter which I have just written to Ritter. The Biological Association must have a responsible business head. You recall the absolutely too large expense and the great delay in the matter of fitting out the old "Loma".

It appears that whoever had charge of the building of the "Aggasiz" was not fortunate in the selection of a boat builder and that he further made the mistake of contracting to put in machinery that was not only new and untried, but that was manufactured by a financially, entirely irresponsible concern.

There is a man named Harl Cliff, who is a representative in San Diego, I believe, of the Union Iron Works. I saw him several months ago and reproached him for not having gotten the job of putting in the engines on the "Aggasiz". He said he had no chance and that Dr. Baker, or Dr. Baker's son had such ideas or desires that made it impossible for him to get in a bid.

Now I understand that the "Aggasiz" is lying around as useless as it was before it was launched.

I would like you to make inquiry on the subject and to notify Dr. Baker or whoever else may be concerned, that you intend to take this matter of the boat's engines in your own hands.

I will see you within a few days and talk about some other matters



(J.W. 12-10-07, #2)

connected with the Biological work.

For the last five or six weeks I have had no time to give any thought to anything except my own business.

Yours sincerely,

E. W. Scripps.

-X-

NOT REVIEWED BY E. W. S.  
AFTER DICTATION



Miramar, Cal., December 10, 1907.

-: Biological Association :-

Prof. W. E. Ritter,  
University of California,  
Berkeley, California.

Dear Professor:-

Yours of the 19th ultimo duly reached my office, but I have been so busy during the past five or six weeks with newspaper business affairs that I have been unable to give it or any other outside subject a moment's thought.

My sister tells me that you are going to be down here this month anyway.

Wangenheim has been having his troubles also, and I think neither of us have been giving many minutes to thoughts biological. It has only been by indirect means that I have heard of the trouble with the machinery in the "Alexander Aggasiz".

Of course, I could criticize the action of the Association in this matter had I offered any advice or had I even given advice when I was solicited.

In such a boat as ours, we should have made no experiments with makes of engines and machinery which had not been proven out.

I hope no steps have been taken toward putting in new machinery as yet, as I would like to have Wangenheim undertake the responsibility of looking after this matter, as it is purely a business matter.

When President Wheeler was here, I told him my advice had been that the first step to be taken should be the removal to the new ground of the old laboratory and the putting up there of a number of cheap, temporary cottages, and making water connections, etc.



(W.E.R. 12-10-07? #2)

I thought that the best thing to do was to get the Station in going form, no matter in what temporary shape it was, and then it could receive its permanent buildings later.

I believe that I will ask the Association and Mr. Wangenheim that the latter gentleman shall be given and that he shall take the position of a committee of one, having charge of such purely business matters as those of building and equipment and material maintenance.

Yours sincerely,

E. W. Scripps.

-x-

cc to J. Wangenheim.

NOT REVIEWED BY E. W. S.  
AFTER DICTATION



Miramar, Cal., December 14th, 1904.

Dr. Fred Baker,

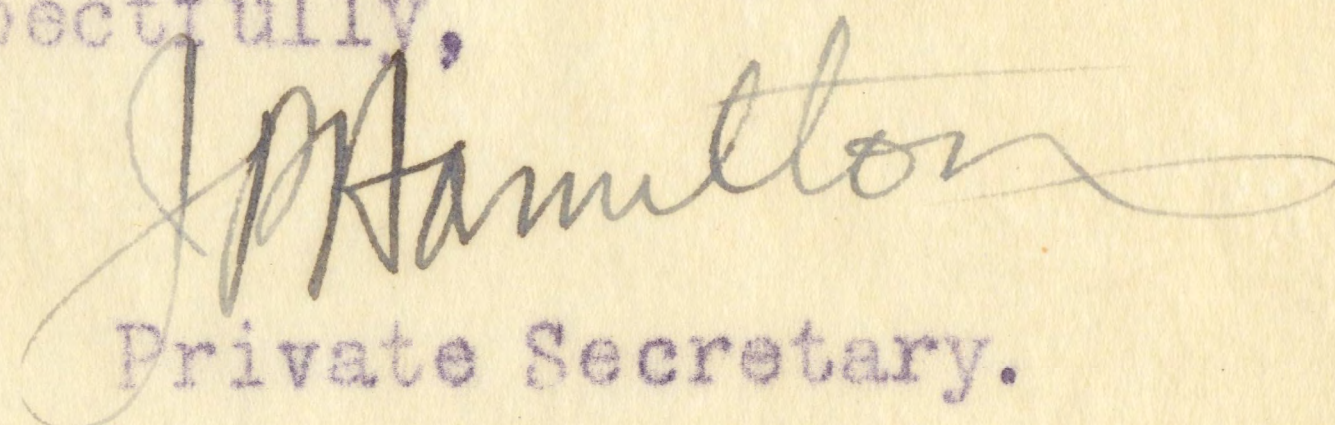
San Diego, Cal.

My dear Sir:-

Yours of the 5th and 12th inst. received and noted. I enclose herewith copies of letters received from Prof. Ritter, and of my replies thereto.

In behalf of Mr. Scripps I wish to thank you for the interest you have shown, and the service you have rendered, in this matter.

Very respectfully,

  
Private Secretary.



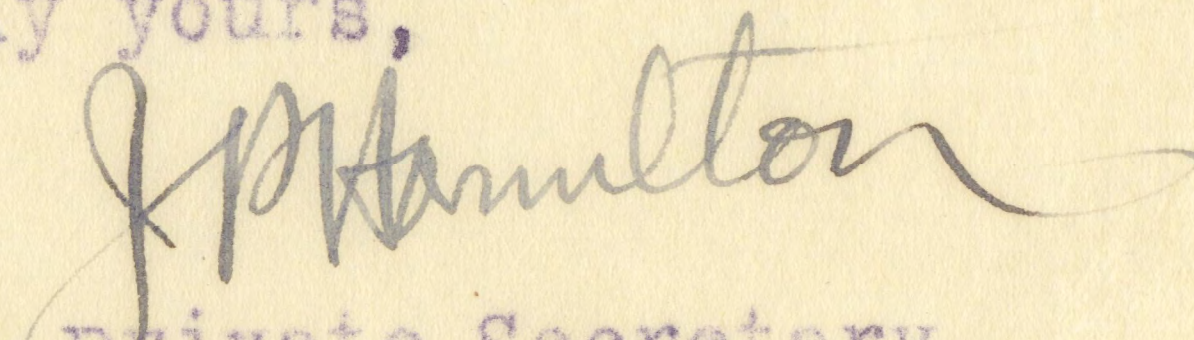
Miramar, Cal., December 14th, 1904.

Prof. W. E. Ritter,  
University of California,  
Berkeley, Cal.

My dear Sir:-

Acknowledging receipt of yours of the 10th inst. to Mr. Scripps, relative to the "LOMA": I do not feel that it is necessary for Mr. Scripps to consider this matter, and if anything further is necessary will give it attention myself. I beg to thank you for the service rendered Mr. Clark in this matter.

Very truly yours,

  
Private Secretary.



Miramar, Cal., Dec. 21, 1907.

PROF. RITTER'S STANDARD & UNION MARINE ENGINES:

Mr. M. Balthasar,  
C/o United Press Assn.,  
340 9th St.,  
San Francisco, Calif.

Dear Bal:

Professor Ritter in charge of the Department of Marine Biology, University of California, wrote me asking me to find out which were the leading engines manufactured in your town: namely, Standard or Union, and which best adapted for trawling done by the fishermen in the vicinity of San Francisco. I do not know of anyone on either the News or Independent who is capable of securing this information. Perhaps you know of someone.

If you know of a man that could do this for me, I suppose the best way he could get the information would either be along the water-front or in some machine shop where marine engine work of the above mentioned character is done.

I wish you would write and let me know whether or not you could get me this information. The only reason that I am taking this matter up is on account of Dad's interest in the work, but I do not want you to let even that inconvenience you too greatly.

Wishing you and your family a Merry Christmas and Happy

New Year, I remain,

Very sincerely,  
JOHN P. SCREE



Miramar, Cal., Dec. 21, 1907.

STANDARD & UNION GAS MARINE ENGINES:

Prof. Wm. E. Ritter,  
University of California,  
Berkeley, California.

My dear Professor:

Yours of the 16th received.

I will surely do all I can in regards to finding out  
about the merits of the Standard and Union Gas Engines.

Wishing you and Mrs. Ritter a Merry Christmas and Happy  
New Year, I remain,

Very sincerely,

JOHN P. SCRIPPS



UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF ZOOLOGY  
BERKELEY, CALIFORNIA

as here implied. nevertheless I really believe it con-  
tains health giving truth. moreover, I believe in  
the long run it will stand the test of both  
rigorous logic and common, working intelligence.  
A faith real rather than formal is I think  
what we all want; and in this age of much  
and varied knowledge such a faith must  
not, it would seem, be thickly overspread  
with specifications. Such a faith, too, is a  
thing to be much lived rather than much talked  
about. but I am sure it would not be without profit,  
to me at least, for you will one some time (when  
the occasion is opportune) how any position looks  
to you.

Sincerely yours,

Wm. S. Ritter.

I hope the length-jokes will not quite spoil its  
virtue.