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JW →

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WHITTLESEY & CONKLIN

ARCHITECTS AND CITY PLANNERS

JULIAN HILL WHITTLESEY FAIA
WILLIAM J CONKLIN AIA

ASSOCIATES

JAMES S. ROSSANT AIA
JONAS VIZBARAS AIA
WILLIAM HAMILTON ROEHL AIA

14 March 1966

Dr. Froelich Rainey, Director
The University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia 4, Pennsylvania

Dear Dr. Rainey:

An excellent meeting with Texas Instruments Company's Dr. VanLopik and Dr. Yarborough in Washington last Friday leads me to expect an interesting proposal within the next fortnight for infrared air coverage at Hallsieis. When in hand I should like to discuss it with you. If this coverage is taken it may well save much time and money in locating the precise places where land should be secured and excavation undertaken in the 1967 season. The Agora is one of the principle objectives.

Sincerely,

Julian H. Whittlesey
Julian H. Whittlesey *ac*

JHW:AC
cc: Dr. Michael Jameson

Rehman
Hedges
Please note &
file for any
development which
I am aware -

Mr. Helge Jensen
Carl Malmgren
AFCR &
Hemlock field
Borford
are

Physics are
infrared camera
for picture of
Lybourn in
May or June -
They way
Call about
this -
The

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14 March 1966

Dr. Michael Jameson
American School of Classical Studies
54 Soudias Street
Athens, Greece

Dear Mike:

I met the Texas Instruments people in Washington on Friday, namely Dr. vanLopik and Dr. Yarborough, and Al E. Pressman, all from Dallas. They had received and considered the material sent a few days previously to Mr. Arnett. They are prepared to make a proposal within two weeks from now on the basis of this material and our decisions.

It seems prudent to confine the proposal to a single priority area of your choice, covering about 8 to 10 square miles. Accordingly I designated tentatively the peninsula on which Porto Cheli and Halieis are. Second priority might be an area of about this size north of and including Ermioni. It is important that whichever area is selected, if not both, there should be known material below ground and approaching the surface. Infrared coverage of such material will then provide proof of the effectiveness of the method, as well as the key to interpretation of coverage in other areas.

If the method yields results---and we really believe it will---then the coverage might be extended. The cost of the work will be considerable due to the logistics of sending over an engineer to Greece for this operation. Let me describe how the work would be done.

TI will send over its highly classified thermal scanner together with appropriate aerial camera and various film. This equipment will be flown over the priority area on four test flights, early morning, midday, late in the day and nighttime to ascertain which coverage is most effective. Hopefully a daytime coverage will be effective because we can run black & white coverage coincident. There will be test interpretation of the coverage while in Greece so as to assure results. It might be at that point you would decide to take further coverage of a second priority area--- all depending on cost. But frankly it might be best to hold off until you have been able to evaluate the coverage yourself in the laboratory.

Let's keep in mind the prime objective is to target the Agora or other important remains in Halieis that you may have their location identified in advance of the 1967 season.

Permission for flying must of course be gotten in Greece. This will be largely up to you and me before the men we know in the departments concerned, and hopefully with Dr. Rainey's backing if not also Henry Robinson's.

Support from our Air Force people in Athens will also be most desirable for two reasons. TI's classified scanner should always be maintained under security conditions. Our Air Force people can provide that. For that matter, it will not leave the US without permission from US. However there is pressure to de-classify the infrared work and perhaps by the time we have it underway this will be the case. I will return to that point presently. The other assistance from the Air Force will be in using one of their small aircraft. It might be a DC-3, a Twin Beachcraft AT-11, Army Mohawk, etc. This would save considerable expense in TI bringing its plane. We have only to see that the plane has an adequate bottom port, that TI may be satisfied.

As for getting US permission to take this camera abroad, I would expect this to be secured by Mr. McDermott. I believe that TI will become quite interested in this mission.

We need to know, and promptly if possible, about the micro-climate at Halieis so as to determine when best to make the coverage. Obviously we would prefer this summer when you will be there. There will be an important role for you at that time. The best conditions for coverage are when the surface of the earth is somewhat damp, as from a heavy dew, but not from a heavy rainfall. My question then is can we count upon such conditions at any time in the summer? Do you, for instance, have a heavy dew or any dew? It is likely that you do, considering the seaside location. Your answer to this question will be helpful at this time. I doubt if we can get a better answer from climate records unless there happens to be a good weather station along this coast from which we could secure data over a considerable period, both day and night, over precipitation, humidity and wind.

The TI people recommend for your purposes coverage at a scale of about 1:10,000 or better. They consider flying at but 500 feet and depending upon focal length of the scanner may get a scale as large as 1:6000. This would be great. They also recommend having companion coverage in black & white to assist in the interpretation of the thermal or infrared work. You personally will become involved in that interpretation. Since even the interpretation is classified you will have to get clearance of a rather low order, namely "confidential". It is not secret or top secret. Surely you can get this when it is needed in this country.

Iannos Nikolopoulos is panting to know what type of camera and focal length are used for the infrared work. I wish that I could satisfy him. You may tell him, if you wish, they will use conventional aerial cameras, such as a 70 mm. format with 1 3/4" focal length or a 9" x 9" format CDF camera with 6" focal length. With the latter camera they can take several films concurrently, such as infrared, black & white and color. Obviously I know nothing about the thermal scanner which is the heart of the system except that it has a focal length on the nadir of flight of 0.7".

Frankly I think that cooperation from your friends in the Hellenic Air Force Map Service whom we met last June may be the most fruitful. Their film laboratory might be used for processing TI's test run coverage. Nikolopoulos' facilities are not up to theirs. Still I would suggest that you maintain the interest of both unless you find some evidence of friction or jealousy.

I will keep Dr. Rainey advised though in somewhat less detail as we will be looking to him to contact McDermott at the appropriate moment. The financing of this operation may have to be shared several ways.

Please give me your prompt reply about the dew question. If summer should prove hopeless it might make considerable difference to TI.

Sincerely,

Julian H. Whittlesey
Julian H. Whittlesey ac

JHW:AC
cc: Dr. Froelich Rainey

WHITTLESEY & CONKLIN

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WILLIAM HAMILTON ROEHL AIA

PRESERVATION COPY 03/20/2014

25 April 1966

LS
file

Colonel Floyd Stockton, AFRST
Pentagon Room 5-C 1085
Washington 25, D.C.

Dear Colonel Stockton:

This letter is to confirm the substance of our phone conversation today. I had called you at the suggestion of Dr. L.A. Yarbrough of Texas Instruments, Inc. See enclosed copy of his letter to me of 6 April.

I am here concerned with assisting the University Museum of the University of Pennsylvania to secure a small area of infrared aerial photo coverage over the ancient city of Halieis in Greece. Excavations are proceeding there under the joint auspices of the University Museum and the American School of Classical Studies in Greece.

Texas Instruments is prepared to undertake this coverage and the interpretation of it subject to conditions appropriate in the use of restricted instrumentation involved. Cooperation of the Air Force would greatly facilitate this, and as Dr. Yarbrough suggests, might prove of interest to the Air Force.

The coverage is expected to show up important ruins lying fairly close to the surface of the archaeological site. The University Museum's Applied Science Center for Archaeology will be expected to run a magnetometer surface coverage to match the infrared air coverage. Conditions for the coverage will be most favorable next week. Meanwhile, in my capacity as an advisor on these matters to the Museum, I would like to enlist the interest of the Air Force that Texas Instruments engineers when sent to Greece on this mission may have the use of equipment and instrumentation available to the Air Force in Europe, rather than have to specially bring all over from this side.

We may expect excellent cooperation from the Hellenic Air Force as may be needed, as well as from the Topographic Service of the Ministry of Public Works in Athens.

The site of Halieis is at the modern town of Porto Kheli which is on the coast just opposite the Island of Spetza off the Peloponnesus in Greece.

I find that I will be in Washington on Wednesday this week and hope it will be possible to meet you in the morning at about 9:30. I will bring further particulars with me at

that time.

Sincerely,

Julian H. Whittlesey
Julian H. Whittlesey ac

JHW:AC
encl.

cc : Dr. Roiney, University Museum, Phila
Dr. Yarbrough of Texas Instruments, Dalla

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JONAS VIZBARAS AIA

WILLIAM HAMILTON ROEHL AIA

PRESERVATION COPY
03/2/2014

26 April 1966

J.H.: acknowledged
Saying I'd send
this to you!

AS
ple
V6
4/28/66

Dr. Froelich Rainey, Director
The University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia 4, Pennsylvania

Dear Dr. Rainey:

The prospects for the excavations at Halic are favorable as you will see from the enclosed reports, along with Dr. Yarbrough of Texas Instruments, Inc. and Colonel Stockton of the Air Force.

I tried to reach you recently by phone to keep you abreast of the developments and found that you are abroad for some time. Accordingly, I talked at some length with Martha Barad. I told her of Mike Jameson's interest in the possibility of both Ralph's using a magnetometer coverage parallel with the infrared.

If matters with Texas Instruments and the Air Force have sufficiently advanced by the time of my stopover in Athens on the way to Sardis in late June, Mike and I will further prepare the ground with the Hellenic Air Force people and, of course, Henry Robinson. I think we are on the way to settling on a well-controlled and significant coverage by which Texas Instruments believes we will be able to discover the buried ruins most sought at Halic for the 1967 season.

If I pass your way in Italy en route to Greece I will pay a call.

Sincerely,
Julian H. Whittlesey
Julian H. Whittlesey ac

ENCL.
3
Dr. Michael Jameson

WHITTLESEY & CONKLIN

*Dr. R: acknowledged
saying I'd send
this to you.*

ARCHITECTS AND CITY PLANNERS

JULIAN HILL WHITTLESEY FAIA
WILLIAM J CONKLIN AIA

26 April 1966

ASSOCIATES

JAMES S. ROSSANT AIA
JONAS VIZBARAS AIA
WILLIAM HAMILTON ROEHL AIA

*AS per
4/28/66*

Dr. Froelich Rainey, Director
The University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia 4, Pennsylvania

Dear Dr. Rainey:

The prospects of getting things done in Athens are favorable as you will see from the enclosed correspondence with Dr. Yarbrough of Texas Instruments, Inc. and Colonel Stockton of the Air Force.

I tried to reach you recently by phone to keep you abreast of the developments and found that you are abroad for some time. Accordingly, I talked at some length with Martha Rhoads. I told her of Mike Jameson's interest in the possibility of Beth Ralph's doing a magnetometer coverage parallel with the infrared.

If matters with Texas Instruments and the Air Force have sufficiently advanced by the time of my stopover in Athens on the way to Sardis in late June, Mike and I will further prepare the ground with the Hellenic Air Force people and, of course, Henry Robinson. I think we are on the way to setting up a well-controlled and significant coverage by which Texas Instruments believes we will be able to discover the buried ruins most sought at Hallie's for the 1967 season.

If I pass your way in Italy en route to Greece I will pay a call on you.

Sincerely,
Julian H. Whittlesey
Julian H. Whittlesey ac

JHW:AC
encl.
cc: Dr. Michael Jameson

WHITTLESEY CONKLIN & ROSSANT

ARCHITECTS AND CITY PLANNERS JULIAN HILL WHITTLESEY FAIA, WILLIAM J CONKLIN AIA, JAMES S ROSSANT AIA, AIP ASSOCIATES JONAS VIZBARAS AIA, WILLIAM H ROEHL AIA, HERBERT L MANDEL AIA, BURTON W BERGER AIA

P K 7 Salihli Tureky

Dr. Froelich Rainey
The University Museum
Philadelphia

16 August 1966

pkc
Techniques

Dear Dr. Rainey :

Your letter of July 9 finally reached me at the Sardis Expedition on August 13. Meanwhile I had seen quite a bit of Mike Jameson and Beth Ralph in Athens.

I will be leaving Sardis about September 4th and hope to be back in N Y by the first week in October.

Beth Ralph's coverage at Halieis proved nothing - this by her own statement. The anomalies between the stones and that material in which they lie and which is kin to them so far as magnetic quality is concerned is such that no significant pattern shows up from the plotting of the recorded figures.

As for the infra red I believe we have it lined up with T I thanks to some interest on Eugene McDermott's part and a lot of work we have put into the preparations but we have not gotten an infra red scanner released yet by the Air Force. Dr. Harnwell's office has been most helpful on the latter critical matter. You seem to have fared better and I only wish we had been able to ride your coattails and get access to the scanner you managed to have assigned.

We do not need a large plane for the Halieis coverage. This is the least of our problems. The problem is the scanner. The best time to do it now will probably be April when there is dew on the ground.

Sincerely


Julian Whittlesey

cc Prof Michael Jameson
Dept of Classics
University of Pennsylvania

February 2, 1967

Techniques

Dear Mr. Whittlesey:

Just a note to keep you posted on the infrared aerial photography developments. I did get up to Hanscomb Field to go over the photographs of Sybaris, and we found that Band 8 of the 9-lens Multiband camera-which is an infrared band- did show at least the Roman ruins in the Parco del Cavallo area which lie two or three meters deep. The infrared scanner device also showed some gross features like the old shoreline and the old river bed. We think it is so promising that I am proposing another infrared photography experiment next spring, flown at lower levels, about 2,500 ft., using the Italian Aero Service. We are also making a further experiment with the Air Force, I expect over a site in Arizona this month, using infrared photography and infrared scanner.

As you can imagine, we worked over only a small proportion of the films made over Sybaris and this study will go on for months.

Very best wishes,

Froelich Rainey
Froelich Rainey
Director

Mr. Julian Ha, Whittlesey
Whittlesey, Conklin & Rossant
31 Union Square
New York, New York 10003

FGR/vg

cc: Dr. Michael Jameson

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January 9, 1967

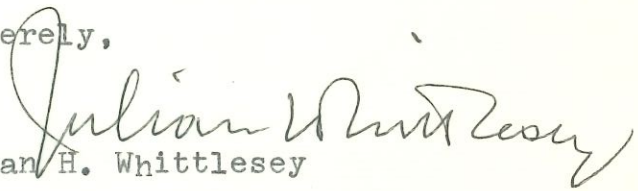
Dr. Froelich Rainey, Director
University Museum
University of Pennsylvania
Philadelphia, Pennsylvania

Dear Dr. Rainey:

I appreciate your note of the 3rd. Plans for the infrared coverage at Halieis, using conventional means, are shaping up with Mike Jameson. I hope to have had a trial run of the system in Sardis this winter thanks to cooperation from Lt. Williams and my friends at the NATO base in Izmir. Should the Sardis coverage prove fruitful I will certainly advise you.

Meanwhile I await with interest the results of the IR scanner coverage taken by Lt. Williams over Sybaris.

Sincerely,


Julian H. Whittlesey

JHW:AH
cc: Dr. Michael Jameson

February 10, 1967

Rechnow

Dear Mr. Whittlesey:

Just a note on the aerial photography in reply to yours of February 3rd. First, the infrared scanner equipment, as far as I know, is only available through the Air Force. If it is commercially available I gather the cost to us would be quite out of the question. The Hanscom ~~field~~ people say they cannot hope to get back to any work in Europe for at least two years. We are taking advantage of another job they have in Arizona to make an experiment over two sites there.

Our experiment at Sybaris this spring will be with infrared photography, I hope utilizing the Italian Aero Service with a small plane and a standard camera at an elevation of *about* 2,500 ft. We could not get the Italian Aero Service to do a job in Greece, but I am offering the Italians the film from here, and we might do the same for the Greek survey, if you could arrange that.

All very best *Rechnow*

Froelich Rainey

Mr. Julian H. Whittlesey
Whittlesey Conklin & Rossant
31 Union Square, New York
New York 10003

FGR/vg

cc: Jameson

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ASSOCIATES JONAS VIZBARAS AIA, WILLIAM H ROEHL AIA, HERBERT L MANDEL AIA, BURTON W BERGER AIA

February 3, 1967

Dr. Froelich Rainey, Director
The University Museum
University of Pennsylvania
33rd and Spruce Streets
Philadelphia, Pennsylvania

Dear Dr. Rainey:

I was extremely glad to get your letter of February 2 reporting most encouraging results from the interpretation of the infrared coverage by scanner over Sybaris. Congratulations. I only wish that Mike Jameson and I had been as successful as you in getting a scanner available to cover Haliéis. Instead we have had, as you know, to pull in our horns and retreat to the conventional infrared photographic system which is very much more limited and much less likely to produce significant results.

It is apparent that you are getting significant results in a comparable situation at Sybaris. Is there any possibility of extending the work that you spoke of next season that it might be brought over to cover the Haliéis site? I really feel that this would put Mike Jameson's excavation way ahead of where it will otherwise be in point of time.

Sincerely,


Julian H. Whittlesey

JHW:AH

cc: Dr. Michael Jameson

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Technique

14 February 1967

Dr. Froelich Rainey, Director
University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia, Pennsylvania

Dear Dr. Rainey:

Find enclosed my letter to Iannos Nikolopoulos of the Ministry of Public Works in Athens and note to Dr. Robinson written following our telephone conversation this morning.

I will write you further on the matter of films and just how to get them. Meanwhile I look forward to your being in New York Saturday morning when we fly the airfoil. I will phone you Friday evening at your house hoping that the prospect for reasonable weather and adequate winds is to be expected the next morning.

Sincerely,

Julian Whittlesey
Julian H. Whittlesey

JHW:AH

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14 February 1967

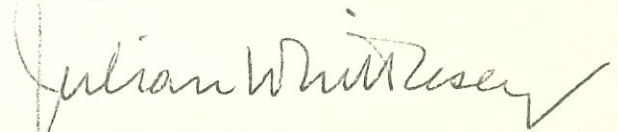
Dr. Henry S. Robinson
American School of Classical Studies
54 Soudias Street
Athens, Greece

Dear Dr. Robinson:

Dr. Froelich Rainey, Director of the University Museum, is interested in pursuing experiments with aerial infrared coverage over various archaeological sites. Knowing of Professor Jameson's and my interest in doing this over Halieis next summer, he has offered to provide the special films required for such a coverage if we can arrange for flying it. Accordingly I have taken the liberty of writing directly to Iannis Nikolopoulos. Mr. Nikolopoulos has repeatedly asked for an opportunity to help us in these matters. This is certainly an excellent one.

Should it prove impossible to arrange coverage using an airplane I would expect to make a limited coverage myself using my balloon presently stored at the School or the new airfoil which has proven equally practical.

Sincerely,



Julian H. Whittlesey

JHW:AH

cc: Dr. Froelich Rainey
Dr. Michael Jameson

WHITTLESEY CONKLIN & ROSSANT

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ASSOCIATES JONAS VIZBARAS AIA, WILLIAM H ROEHL AIA, HERBERT L MANDEL AIA, BURTON W BERGER AIA

14 February 1967

Mr. Iannos Nikolopoulos, Director of Service of Topography
28 Peiraius, Ministry of Public Works
Athens, Greece

Dear Mr. Nikolopoulos:

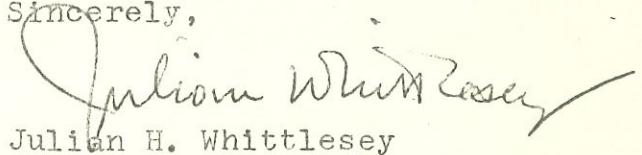
Could you arrange for a low level air photo coverage over the ancient site of Halieis at Porto Kheli this summer? June or July might be best. We would use both conventional film and infrared film. The film and filters required can be provided to you by the University Museum of Philadelphia.

Halieis is an excavation under a permit granted to the American School of Classical Studies. The excavation is directed by Professor Michael Jameson whom you have met with me last year. He is associated with the University Museum.

Dr. Froelich Rainey, Director of the University Museum, has offered to provide the necessary film if arrangements can be made in Greece for flying it. Dr. Jameson and I hope that you can arrange this. If it is possible I will inform you of the types of special film and filters which will be used. These are being recommended to us by Lt. Richard Williams of the Terrestrial Science Laboratory, Cambridge, Massachusetts. He has had experience with these films and filters.

Of course I am informing Dr. Robinson of this request to you. Your enthusiasm to help on these matters is greatly appreciated. Please write me and let me know under what conditions you can arrange for this coverage. It would cover only the low land to the sea below Kranidhion.

Sincerely,



Julian H. Whittlesey

JHW:AH

cc: Dr. Henry S. Robinson
American School of Classical Studies
Athens, Greece

Dr. Froelich Rainey
University Museum, Philadelphia

Professor Michael Jameson
University of Pennsylvania
Philadelphia

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*file
Techniques*

Dr. Froelich Rainey
University Museum
Philadelphia Pa

28 February 1967

Dear Dr. Rainey :

Thank you for you note of the 15th reminding me of the part to be played by "Fellows of the University Museum".

I hope to be able to be among them again this year and with particular reference to the Halieis work. However the earliest that I can manage a contribution will be April - by mid month.

The enclosed summarizes a recent talk with Lt. Richard Williams. Note what he says about the balloon system has having some advantages over the airplane - and much cheaper.

Weather has been poor for airfoil flying in N Y. I hope to be running another test this week-end trying out a new gimbal for the camera.

Sincerely

Julian Whittlesey
Julian Whittlesey

TELEPHONE CALL from Whittlesey to Lt. Richard Williams
21 February 1967

Sybaris

Williams confirmed that the IR conventional film coverage at Sybaris had been fruitful, showing up clay deposits pointing to a buried wall. The film was IR b & w Kodak 5424 with Wratten 18 A filter responsive to high end of spectrum.

Arizona

Williams confirmed his hope, as Dr. Rainey wrote me, to cover two sites in Arizona. He will use all seven films listed in his 23 December memo to me. This may be taken in the next two weeks, development to follow in March when he invites me to see the results. They should mean something to Halleis.

Halleis


If the film selection for Halleis must be narrowed down he would give priority to IR with Wratten 18 a filter, then with Wratten 25.

If Greek Topographic Survey can fly but one film he would recommend conventional b & w coverage for the wider area they would take, and use the balloon for detailed IR coverage. With airplane he recommends staying within 1000 feet. The Greeks would probably use standard 9 x 9 inch aerial camera format with 6" lens (f) Cost of such large film is not great in b & w but very costly in color or in IR.

Williams felt we would do better and cheaper to make the IR coverage over selected areas using the balloon while leaving the Greek department to make the overall coverage with regular film.

He offered to lay out the flight on our map and compute film requirements. I can do that as well, but let him check it. He was indeed co-operative as usual and very interested to hear of our new airfoil system for use in windy weather.

I trust that all these preparations can be finalized by mid April - for the Halleis coverage.


Julian Whittlesey

April 1, 1967

DeLuca

Dear Mr. Whittlesey:

Just a note to say that I am leaving on Saturday the 8th for Italy and Greece, to be gone about a month. I am taking over a lot of infrared film for the Italian flights and I would like to know what film you will need for your experiments in Greece, this summer, so we can get it for you.

Beth Ralph, Associate Director of ASCA, will be here through April and I will tell her to purchase the film for you if I am away.

Very best wishes,

Froelich Rainey
Director

Mr. Julian H. Whittlesey
Whittlesey *Contlin* & Rossant
31 Union Square
New York, New York 10003

FGR/vg

file

Dr. Froelich Rainey
University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia, Pennsylvania

28 April 1967

Dear Dr. Rainey:

I appreciate your telephone call to Mrs. Hamilton of my office on the verge of your departure to Europe regarding your offer to provide film for the Haliéis coverage. I have since returned from Europe myself.

While in Athens it became clear on talking with Mr. Nikolopoulos of the Department of Public Works' Topographic Service that we would best confine the aerial survey to conventional black and white. They offer to do this for a very reasonable figure of which the film cost is minor.

As to infrared, Lt. Richard Williams advises that it best be done on a spot basis by my balloon or airfoil method. Consequently the film cost will be minor and I will not trouble you with it. Nor have I yet determined just what type of ~~film~~ will be best. Lt. Williams' results from Arizona should give the answer. I have yet to recontact him on this matter.

I look forward to starting in Haliéis about June 21, to continuing in Corinth in August and returning here in mid-September, possibly also doing some work at Sardis.

With very best regards,


Julian H. Whittlesey

JHW:AH

cc: Dr. Michael Jameson

January 3, 1968

Mr. Julian Whittlesey
31 Union Square
New York, N.Y. 10003

Dear Mr. Whittlesey:

It was a pleasure to talk with you a few mornings ago in New York. I have tracked down your November 3rd letter to Fro Rainey. The person mentioned in the news release--Giovanna Aldisi (Aerofoteca, Via Lincoln 1, Rome, tel. 495-2729) is the one who has been our contact in Rome in the matter of storing our infrared film and arranging for the photographs to be taken. As Fro wrote, there is the possibility that she has allowed our film to be used for other purposes. If not, I should imagine that we shall continue to rely upon her. I suspect that not much would be learned by writing to her and that it would be best to talk to her when Fro, you, or I passes through Rome -- probably late April for me.

Dr. Jamson is planning to talk to Mr. Platt in the very near future about his availability this summer and I am planning to relay your request for information about Egypt this afternoon to David O'Connor.

If you come across Professor Belcher's address, we shall be glad to have it.

With best regards,

Elizabeth K. Ralph

January 27, 1968

Dear Mr. Whittlesey:

I am returning the slides you so kindly loaned me for my American Institute of Archaeology lectures, but I am covered with embarrassment because one seems to be missing. I suppose it was left in a slide machine in one of the several places where I spoke and it very probably will show up in some days' time. Of course I will get it on to you if it does show up but in the meantime I am returning these three before they get misplaced. Many thanks for the slides. There was a great deal of interest in this kind of aerial exploration and I am sure it is a good way to alert the archaeologists on what is developing.

Our experiments here with aerial survey are indeed frustrating since they all seem to run into so many interminable delays. I still do not have a report from Lt. Williams on the experiment in Arizona which he says is being studied by NASA nor do I have a report on the infrared experiment at the Olmec site in Mexico which Mike Coe is carrying out for us. Add these to the utter confusion introduced in these experiments by Ward Austin and it is almost enough to destroy my enthusiasm for these experiments. However, nothing daunted, we are continuing and as soon as we have some concrete results I will again be in touch with Pecora at the USGS with a proposal for the joint experiment they have suggested. It is encouraging to see you getting on so well.

All the very best.

Sincerely,

Froelich Rainey
Director

Mr. Julian Hill Whittlesey
31 Union Square
New York, New York 10003

FGR/sjc

January 3, 1967

Techniques

Dear Mr. Whittlesey:

Thank you for yours of December 6th, and let me say I am delighted you got in touch with Williams at the Cambridge Air Force Lab. Unfortunately, he has not yet organized the film from southern Italy, so that we can have a look at it for archaeological purposes. I have delayed writing you hoping to have some comment on the results of that experiment. In any case, this is just to let you know that we should do this soon, and I will advise you of the results.

All this fits in very well with our techniques program here, and I hope we can keep constantly in touch with what the other is doing.

Very best wishes for the New Year,

Froelich Rainey
Director

Mr. Julian H. Whittlesey
Whittlesey Conklin & Rossant
31 Union Square, New York
New York 10003

FGR/vg

WHITTLESEY CONKLIN & ROSSANT

ARCHITECTS AND CITY PLANNERS JULIAN HILL WHITTLESEY FAIA, WILLIAM J CONKLIN AIA, JAMES S ROSSANT AIA, AIP ASSOCIATES JONAS VIZBARAS AIA, WILLIAM H ROEHL AIA, HERBERT L MANDEL AIA, BURTON W BERGER AIA

December 6, 1966

Dr. Froelich Rainey
University Museum
University of Pennsylvania
Philadelphia, Pennsylvania

Dear Dr. Rainey:

Professor Jameson and I have by no means given up hope on the matter of infrared coverage for Halleis. To date we have however not been able to get release of a "restricted" I R scanner as required by Texas Instrument Company.

Meanwhile I am encouraged to try coverage by conventional infrared photography not involving "restricted" instrumentation nor involving Texas Instrument. Lt. Richard Williams of the Terrestrial Science Laboratory as well as Dr. Franks of H R B Singer believe it worth a try. Accordingly I shall be visiting Lt. Williams at Hanscom Air Base this coming Thursday.

This approach obviously involves much less outlay and logistics than the I R scanner method. Lt. Williams, recognizing the limitations, believes there may even be some compensating advantages. This appeals to him as it does to me.

Lt. Williams asked me to assure you that he had not forgotten Sybaris. The results are coming in within the month and he hopes that they will at least show some trends and looks forward to your seeing the results.

Should the conventional photographic method seem promising after further discussion with Lt. Williams, I will be prepared to run it myself with my balloon borne camera system used last summer at Sardis. It is presently in Athens ready for such a task.

Sincerely,


Julian H. Whittlesey

JHW:AH
cc: Dr. Michael Jameson

16 September 1967 *file*

Dr. Froelich Rainey, Director
University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia, Pennsylvania

Dear Dr. Rainey:

I find your kind letter here upon my return from a very successful season in Greece highlighted by the balloon and airfoil photo coverage at Haliëis plus Bipod photo coverage in Corinth. Mike Jameson may have by now told you of our success with finding and mapping underwater remains by the method used in Haliëis. I expect to extend and improve on this method for further such work over other shallow underwater remains around the Peloponnesus next summer. Of this you will hear more later.

We too have had "infra-strations" no doubt akin to those you report. Our "infra-strations" included breaking the infrared filter leaving but a fragment through which to expose the film, an accident with the camera (mine not Mike's), etc. I have developed such little film as we could take and have yet to assess the results. They do not look hopeful. I will consult Lt. Richie Williams in any event and try to do better next season.

It was a pleasure to assist the Haliëis work in various ways and I look forward to continuing in any way that Mike and Tom Jacobson wish. Already we have various ideas for improving the underwater excavation techniques. Perhaps I can help Mike test out some ideas on this subject this winter.

It is evident that you need to extend the museum to accommodate your growth. I can see the land adjoining it being well used for higher purposes than the present. Hopefully this will be done with due respect for the present museum, so well designed for its time.

I am very anxious to catch up on the news from your other expeditions including that of George Bass. I look forward to seeing more of you this season.

Sincerely,

Julian Whittlesey
Julian H. Whittlesey *ah*

JHW:AH
cc: Dr. Michael Jameson

November 14, 1967

Arch. Techniques

Dear Mr. Whittlesey:

Thank you for your information about the infrared archaeological discoveries in Italy. I am afraid that this burns me up, in a way, because it is obvious that the Italians are using our stock of infrared film stored at Guidonia Air Base, and they have delayed making our run over Sybaris since last April. This is the third use of our film they have made without beginning the job they have agreed to do for us. However, I hope we still have enough film left to do the Crati plain in January when the rain is again covering most of the area.

We have a drill crew at Sybaris now, testing anomalies which presumably show up on the U. S. Air Force infrared films made from 12,000 ft. and I will let you know as soon as we have some specific results. We are also doing an experiment in the Olmec country in Mexico, later this month. So things still do move in this field.

All very best wishes,

Froelich Rainey
Director

Mr. Julian H. Whittlesey
31 Union Square
New York, New York 10003

FGR/vg

Dr. Froelich Rainey
University Museum
34th & Spruce Sts
Philadelphia Pa

3 November 67

Dear Dr. Rainey :

From Bill Macdonald I have a xerox of an associated press article from Rome which bears Beth Ralph looking into. I quote it below. If accurate it appears that Dr. Alvisi of the photographic service of the ministry of education is looking through the earth.

Perhaps Miss Ralph would run this down and advise me as it might well affect my next season's work with the balloon. I will also refer this to Lt. Richard Williams. The article reads as follows :

EXPLORATION BY INFRARED PHOTOGRAPHY Rome

Italian archeologists working with infra red aerial photographs believe there were ancient Greek colonies or Etruscan towns atop almost every defensible hill in central and southern Italy.

Most of these were hitherto unknown or only suspected to exist.

Two superhighways under construction were detoured because the new infrared technique showed they would cut into previously undetected archaeological sites.

The technique was described to the Italian society for progress of science by Dr. Giovanna Alvisi, director of the aerial photographic service of the ministry of education.

The photos bring out contrasts in color tone or land contours that can indicate the presence of ancient walls or buildings buried several yards deep. The contrasts are undetectable in ordinary photographs or even by on-the-ground examination.

Hundreds of experimental infrared photographs pointed to a wholly unknown treasure trove of ancient villages, Dr. Alvisi said.

End of article

Well Well - is this but an elaboration of an imaginative reporter or is there something for us here. I wish I had time to run this down personally. Needless to say I am preparing a new system for nextn season and there might be something here which is applicable to my balloon method.

Trusting that I may hear from you or Miss Ralph,

Sincerely


Julian Whittlesey

Teichmayer

May 24, 1968

Dear Mr. Whittlesey:

I have yours of the 21st and want to get off a reply before we both leave the country again. I should be in Italy in late June and in Greece in early July, and I have told Mike that I will certainly try to get to Porto Cheli en route to Iran.

However, just a word about ASCA. Sam Carpenter of the DuPont Company, and a new member of our Board, has agreed to work with me in a pretty general remodeling of the Applied Science Center. Success with the thermoluminescent dating technique and the most recent cesium magnetometer which we are just now testing in Greece and Mexico convinces me that we should develop this new center as fast as possible. The primary problem is personnel and the secondary problem is funds. But there are also many complex problems like our relations with Varian Associates, the Air Force, and so forth. I hope you will think this over and perhaps we could talk it out before long. Personally, I would enjoy having you join us in some way, and I do think it is worth a lot of effort.

All the best.

Sincerely,

Froelich Rainey
Director

Mr. Julian H. Whittlesey, F. A. I. A.
Gruzen & Partners
10 Columbus Circle
New York, N. Y. 10019

FR/jt

**GRUZEN &
PARTNERS**
FORMERLY
KELLY & GRUZEN

ARCHITECTS
PLANNERS
ENGINEERS

10 COLUMBUS CIRCLE
NEW YORK NY 10019
(AREA 212) 582 7040

11 HILL STREET
NEWARK NJ 07102
(AREA 201) 643 1944

May 21, 1968

Dr. Froelich Rainey
University Museum
33rd & Spruce Streets
Philadelphia, Penna. 19104

Dear Dr. Rainey:

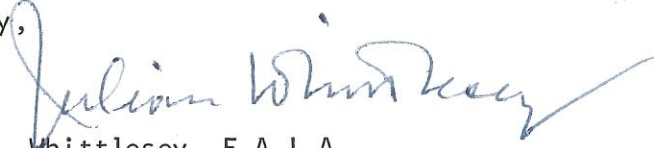
I appreciate having received the November 67 and May 68 MASCA Newsletter mentioning various technical developments including my Aerial Photography system. This goes into higher gear this season with a new motorized radio controlled camera specially built for me by Graflex and using a Zeiss Biogon lens. We will be equipped with various filter combinations suggested by Lt. Williams. These promise depth perception in water as well as to pick up limestone and dampness traces pointing to buried material. Results will be reported in the fall.

Also I have designed, built and shipped for the Kyrenia expedition a new underwater photogrammetric system -- highly mobile and very promising. This system is fairly easy to reproduce. It should be if it achieves what we expect from it.

The point of this letter is that my various so-called systems including the Bipod (now patented) must ultimately find a more organized base than I can hope to provide -- and one to expand their use and bring in more people to continue their development.

I can think of a number of specialists who could contribute in their fields to the Applied Science Center as it widens its work. Perhaps we might talk these matters over someday. I am heading for Italy, Cyprus and Greece in that sequence, starting June 15, returning about September 1st.

Sincerely,


Julian H. Whittlesey, F.A.I.A.
Partner

rg

B. Sumner Gruzen FAIA
Jordan L. Gruzen AIA
Benjamin M. Gruzen AIA, FCSI
Lloyd Fleischman AIA
Richard P. Rosenthal AIA
Peter Samton AIA
Rolland D. Thompson AIA
Norval C. White AIA
Julian H. Whittlesey FAIA
William D. Wilson AIA
Administrator
George G. Shimamoto AIA, FASCE

Associates
Irwin Axelrod AIA
Paul Silver AIA
Murray Sput AIA
Barnard A. Fischer CSI
Robert A. Genchek AIA
Irving Levett

REPLY:
NEW YORK OFFICE
NEW JERSEY OFFICE

rec'd 2/13/70

Elizabeth K. Ralph
The University Museum
33rd & Spruce Streets
Philadelphia Pa 19104

Dear Beth :

Thanks to you I finally reached and talked by phone with Mr. McPherron on January 20.

He had recently been advised by his partner Dr. Srejobic that aerial photography in Yugoslavia was frowned upon and not permitted by the authorities. So that was that.

However I had a bunch of connections through whom in Belgrade I thought there was a fair prospect of getting existing and perhaps further coverage from official sources.

Accordingly I got off a considerable letter to McPherron how best to go down these channels and whom his partner should go to in Belgrade.

I hope McPherron got the letter. One never knows among scholars so run ragged and understaffed.

So I have swung back to Italy for a spring opening over crops - Ross Hollaway around Buscino, then over water sites near Cosa, and finally over land and water at Halieis.

May you be back on your feet soon.

Sincerely



Julian Whittlesey

Why didn't McP ask Srejobic last year?

May 5, 1971

Dear Julian:

Sorry I have been slow in replying to your letter of understanding about our new plan for ASCA which you sent on April 19 after our meeting. However, I have been knocked out with viral flu and am just now back in the office.

All this I have talked over with Howard Petersen, Chairman of our Board and he certainly agrees with me that we should proceed as you and I agreed: that is, we will be pleased to accept the equipment for experimentation in archaeological photography and have you continue to work with us as a Research Associate to develop these techniques under the general framework of the Applied Science Center.

I see no reason at all why as a Research Associate of The University Museum, and with the equipment legally the property of the Museum, you should not still go on with the experiments in photographing whales in the South Pacific. After all this all has a bearing on archaeological techniques in photography.

Also I will try and get Bruce Bevin to Tunis in July and also to Porto Cheli. This should get him familiar with your work and initiate the kind of collaboration we talked about.

Unfortunately I forgot to bring this whole matter up to the Board meeting yesterday and I will now have to get the formal approval of the whole thing from the Executive Committee but that I will do at once. There really is no problem because both the Chairman and the Vice Chairman of the Board heartily approve so this is only a formality and necessary for your appointment as a Research Association

Best wishes,

Froelich Rainey
Director

Mr. Julian Hill Whittlesey
31 Union Square
New York, New York 10003

May 6, 1971

Dear Mr. Whittlesey:

It was a great pleasure seeing you the other day when you were in the Museum.

Dr. Rainey has asked me to see if you could possible send your young German mechanic, Mr. Kahn. We would like to have the opportunity to interview him to see if he would like to have a permanent job here. It would be especially good since he is so familiar with all your equipment. Please have him telephone me to make arrangements for coming down.

Sincerely,

David Crownover
Executive Secretary

Mr. Julian Hill Whittlesey
31 Union Square
New York, New York 10003



He

Fro Rainey

Greetings from
Mexico

May 12 '71

Dr. Rainey

*Copy sent to office
Bevin*

Mrs. Margaret Alexander
38 Rue Ali Belhaouane
Keraddine
TUNIS TUNISIA

May 12 1971

Dear Mrs. Alexander :

Further to my letter of yesterday regarding travel schedule and modes for Eunice and myself, I can now make a suggestion to relieve the problem of my auto and equipment coming over separately by ship from Naples to Tunis.

Unless the auto and Bipod come together with a passenger as constituting his field equipment there can be customs difficulties.

Bruce Bevin of the University Museum, about whom I wrote you previously, as I did also about Barbara Beggs Bini, has just phoned me. There are functional reasons for both Barbara and Bruce becoming acquainted with the Bipod and Balloon systems - and preferably at the outset when the Bipod will be being assembled.

Bruce Bevin is prepared to ship over from Naples with my car and Bipod on the Monday June 28 9:30 AM sailing Terrenia line. It goes via Palermo and arrives Tunis next evening. It would be even better if Barbara could come at the same time. Her fluent Italian could be helpful. I am prepared to drive both of them down from Rome to Naples arriving there morning of the 27th to assure that Bipod ~~and~~ (having come from Athens) is put on car for the Monday passage.

The Terrenia ship leaves only on Mondays. 2nd Class is \$39 First is \$62. Bevin will presumably finance his part. I should add that the Bipod may have, by that time, become the property of the University Museum. This need not necessarily rule out its staying on in Tunis for further use after I leave. My various systems are being turned over to the University Museum so that I may, in the capacity of Research Associate, train others in their use and extend and duplicate the systems.

A copy of this note goes to Barbara who had inquired about the idea of her making this functional visit originally suggested by Dr. Frank Brown, if I recall correctly. Thus a copy to him as well as to Dr. Rainey of the University Museum, and of course to Bruce Bevin.

It is however for you to decide whether or not these suggestions are acceptable.

Sincerely

Julian W.
Julian Whittlesey

cable address JULWHIT NEWORK

cc : Barbara Beggs Bini Rome
Bruce Bevin Philadelphia
Dr. Frank Brown Rome
Dr. Froelich Rainey Philadelphia

November 16, 1971

Mr. Julian Whittlesey
31 Union Square
New York City 10003

Dear Mr. Whittlesey:

Bruce Bevan has shown me your report, and it does seem that you had a very successful season. I am sorry that our paths did not cross.

On December 15th I am scheduled to talk to the Women's Faculty Club about methods of prospecting and sensing, and I would like very much to show a slide (35 mm) of your new hot air balloon. If you can spare one and possibly a few of sites photographed, I should very much appreciate it.

With best regards,

Elizabeth K. Ralph

EKR/ek

The University Museum
33rd & Speuce Streets
Philadelphia Pa 19104

Jan. 14 1972

Att'n Dr. Ralph

Dear Beth :

I am sorry to have delayed in getting reproductions for you of the slide selection you made when we met.

I have put the order in thru DUGGAL COLOR PRODUCTS
9 West 20th St New York N Y 10011 Tel 924-6363.

Some of the slides came from rather expensive reduction and reproduction work originally done by Duggal for Dr. Jameson - fully deserving Duggals very high standard which is above that of regular Kodak processing. This applies to the several Superslides 31 x 31 mm .

Rather than put that expensd upon you I have asked Mr. Duggal to have them done by Kodak at Fairlawn N J. They will very likely be returned mounted in paper rather than in glass as my present superlides are.

The same will be true for the regular oblong slides of which there were several.

Mr. Duggal will send them to you billed to the Museum free of sales tax. He will return the originals to me on my return from Venezuela in February

I did not include the black and white slides of Tiryns.

Sincerely



Julian Whittlesey

cc : Mr. Duggal

P S If there should be any question
I trust that you and Mr. Duggal would
take it up on the phone.

Dr. Froelich Rainey
University Museum
33rd & Spruce Sts
Philadelphia P A 19104

Re : Schedule for season

March 11 1972

Dear Fro :

Meeting last Thursday with Prof. Pritchard and Bruce Bevan, then with Sam Carpenter at Summit threw more light on the schedule, as follows :

Lebanon Prof. Pritchard needs June coverage over excavations in progress and over water. Not interested in May coverage over crops. Looks like on-and-off operation.

Iran Can this be worked in during June - that it woven in with Lebanon? Or must it be earlier or later ?

Guadalajara & Chaco I take it between April 22 and about the 26th. Need not involve me - only Bruce. But I might like to join at Chaco.

I am trying to arrange with Peter Dechert out there to develop film on the first day so that a second day may have the advantage of exposures found on the first day. He is a Philadelphia man connected with the School of American Research at Santa Fe.

Marinatos My text and photos on multi-band went to Char. Kritzas to give him an excuse to send it on to Marinatos with remarks and hopes for this season.

hence better
May is apt to be too crowded and/ later after Lebanon/Iran ~~better~~ when I can help Jameson anyway.

England I want very much to fly with Hampton early May, which he has encouraged. We will be better equipped for having done so - which makes May for Marinatos rather impractical. I think he will come thru later, and not so soon as for May anyway.

Multi-spectral Viewer I will see what Bruce and I think is needed and reasonable cost on March 15 in Washington after the trial flight from Summit. (place for camera in plane looks good) I am inclined to get the Viewer on my own pending the Museum being able to budget it. This would greatly help support the proposal from E E to Envirmental Prot. Agency

Sincerely
Julian
Julian Whittlesey

*Bruce
What about
these
schedules?
Please
check
with
Bruce
Fro*

Fumice is recovering well from the operation and will be able to play her part in a active field work and darkroom starting May.

Pitcheval

HASANLU July 5 '72

Dear Fro:

We are finishing for Dyson now in IRAN,
and with as much success as for
Pitcheval in Lebanon.

A bit fatigued.

Now on ~~to~~ to Greece arriving July 18
Two water surveys there

1) - Argolid Gulf for the Ministry. Approval
come thru! Late July work.

2) Githion harbor & 3 parts for
Skafopoulo of Turtis. Aug 8 into
3rd week.

I have turned down 3 other requests
as being too much for us in this
rough but successful season.

Sincerely Julian W.

Marmotas permit.

I have turned down 3 other requests for this year, one in Yugoslavia, another in Italy, etc.

I have much to tell you and to discuss with you about the future, which looks very bright.

Sincerely

Julian W.

% American School of Classical Studies
54 Souidias St., ATHENS

P.S. I forgot to tell you ~~that I am having~~ the reason for and nature of the new system. We need a camera balloon system not dependent upon hydrogen. Thus a hot air tethered system in which the hot air burner may be controlled by radio from the ground. Hence "unmanned and tethered." This has not been done before. Propane for hot air is available in any village in Europe, Mediterranean, or Mid East. The system will be compact & economical and can be flown anywhere on very short notice. I'll have it built on my suburn and have field trials in Connecticut.

Indian Whittlesby

Hotel NAUPLIA July 23'72
NAUPLION
GREECE

Dear Fro: -

This is just a mid season note to tell you that your balloon team is doing well. No doubt you have heard of our success at Serafan with Dr. Pritchard. We had equal success, under difficult flying conditions, at Hasanku with Bob Dyson.

Now we are working at Nauplia for the Greek Service. After 3 days of stupid meetings in Athens with Marinatos I got clearance at last. The Greek Service here has much for us to cover, some of great interest.

The Germans here also want some coverage. I will do it if possible.

The Americans (Dengate in charge) have remarkable discoveries since Jameson left. These we will cover next year with another new system now in the design stage with Piccard. It will be another "first"! See P.S.

August 9 we start at Githion for Dr. Niki Skoufopoulos, under another

JULIAN WHITTLESEY

ΞΕΝ. ΒΑΣ. ΩΘΟΝ

ΝΑΥΠΛΙΑ

ΕΛΛΑΣ

Aug. 4 '72

Dear Fro:

We are just finishing up our illustrated Catalogue of the work done for the Greek Service in the Argolic Gulf. There were six balloon flights over as many sites pursuant to a permit issued in my name from Marinatos' office.

Our work is much in demand from the American, Greek, + German sides. I am afraid we are fully booked already for next season between their various programs. Among these I should say that Jameson's is outstanding. His + Tom J's Survey has struck it very very rich with the Paleolithic "black gold" and a geometric temple ~~site~~. 4 or 5 sites are involved. The finds are so extraordinary we dare not fully reveal them yet to the Greek Service or others.

The Githron survey work starts on August 9. Hydrogen is being sent down there now. I am told Edgeston will be among us. Our team is expected to, and will, put on a real show.

Should return early September.

I have some ideas that may interest you in preparation for the annual meeting, this year, at Philadelphia.

Sincerely

Julian W.

Athens

file

Aug. 20 '72

Dear Fro:

I probably wrote you as we completed work for the Greek Service in Nauplia.

Now we have completed the work at Gytheion for Dr. Nike Skoufopoulos with a spectacular final flight. Edgerton was also there.

We are exhausted and will have clocked some 7000 miles by time we reach Salzburg in about 10 days from now. Then fly to N.Y.

Bruce stops off in Belgium with air photo material on Jamieson's survey.

Next season looks like this:

All in the Argolis for
Jamieson
McDonald
Greek Service
& Germans

So we leave much of the gear here.

I have the new hot air balloon
practically in hand already.

It comes from Piccard & is
designed to carry the multi
band camera unmanned
but controlled by radio, thus
making us more mobile
than with hydrogen.

We can try it out in October
except as I must go to
Venezuela.

Should be in N.Y. first
week in September.

Sincerely
Julian

JULIAN HILL WHITTLESEY

ARCHITECT FAIA

*Dear Fro: It was tough getting the permit but I got it.
Lets keep this work moving + Marinatos interested*

Julian

Prof. Spiridon Marinatos
Inspector General
Greek Archaeological Service
47 Polya Street ATHENS

September 26 1972

Me

Dear Prof. Marinatos :

Let me thank you for the permit which enabled me to assist Mrs. Deilakis and Xar. Kritzas in survey work in the Argolic Gulf area this last summer. We flew my photographic balloon with great success on a number of water and land sites. Their expert guidance and co-operation in the field work was essential to the success of the work.

My offer to assist the Greek Service on harbor survey work, using my balloon systems, still stands. I can only hope for further opportunities next season. Call upon me at any time.

You will recall that the first work of this kind was done in 1971 by Xar. Kritzas and myself. The enclosed article from ELEFTHEROS COSMOS of Sept 16 speaks of our P. Epidauros aerial survey.

That article is taken from Xar. Kritzas excellent 12 page report in the Greek AAA of latest issue. His report includes a number of the most significant aerial shots taken at P. Epidauros.

Following my work with Mrs. Deilakis I covered the Githeon harbor sites for Dr. Niki Skoufopoulos - again with splendid results. Dr. Harold Edgerton did parallel work with his sonar system. I trust that this work is likewise to be noted by those interested in the extensive underwater archaeological remains in Greece.

Sincerely

Julian Whittlesey

Julian Whittlesey

cc Dr. Froelich Rainey

JULIAN HILL WHITTLESEY

ARCHITECT FAIA

Richard Anderson

Dear Fro :

Excuse me for raining you with letters, but so much is happening.

Another candidate for MASCA (as talented and energetic and young as Richard Anderson) is also on my horizon. He's just taking an MA at Iowa now.

I refer to Chris Allen brother of Hugh who heads classics at Illinois. I know these brothers well and am in close correspondence with them.

Chris is a master ^{and jack-of-all trades} in field and lab work - now getting into photogrammetry. We'd trade technical matters regularly.

Anderson is soon to return from Syria back to Dumbarton Oaks. Keep these names in your mind.

I will be in Greece Nov 24 - Dec 16, in Philadelphia for the annual AIA; in either Indonesia or Latin America on professional planning work for several weeks after New Years.

Chris Allen will likely be at the AIA in Philadelphia and you may then meet him. So will Anderson.

Best regards

Julian

31 UNION SQUARE NEW YORK N Y 10003
122 EAST 65th STREET NEW YORK N Y 10021

Algonquin 5-9263
Rhinelander 4-0849
cable address
JULWHIT NETWORK

Visited 2/22/72

RICHARD C. ANDERSON

% Dumbarton Oaks

1703 32nd St., N.W.

WASHINGTON, D.C. 20007

architect has experimented with kite photography

% David Winfield

Panagia tou Arakes

LAGODERA

WICOMIA DISTRICT

CYPRUS

March 20th, 1972

WHITLESS

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19104

The College

CLASSICAL STUDIES

Nov. 13th. 1973

Dear David,

May I call your help?
I am trying to prepare an article
which I hope will appear in
the Scientific American and assist
in raising money for the dig.
Vital are the balloon photographs
of Julian Whitless. Mr. Clough,
as nice as can be, has had
the negatives since mid-August.
I fear he always has something
more urgent coming up and
my work gets put off. A

howful were printed last month
for Whittier's news letter. It
the bulk of them don't get
done.

Could you possibly add
your voice to mine?

As ever,

W. H. C.

WHITTLESEY FOUNDATION, INC.

122 East 65th Street, New York, N.Y. 10021

Fro Rainey *Are you would like to fly in Alps with me by Balloon Kindly advise!*
Law
Feb 27 '74

Aerial Archaeology
 & related techniques
 in field archaeology

CURRENT ACTIVITIES & PROGRAM
 Midwinter 1974

FIELD EXPEDITIONS SCHEDULED for Spring & Summer

<u>Expedition</u>	<u>Sponsors</u>	<u>Directors</u>	<u>Sites</u>	<u>Objectives</u>	<u>Time</u>
<u>CHACO CANYON</u> New Mexico	Natl. Park Serv. Univ. of N.M.	Dr. Thos. Lyons	Prehist. Indian 5 sites	Excav. Record Site Mapping Training	May
<u>ALPINE FLIGHT</u>					<i>late June</i>
<u>BUCCINO</u> Italy	Brown Univ.	Prof. Holloway	Bronze Age Roman	Excav. Record Site Mapping	Early May <i>July</i>
<u>ETRURIA</u> Italian Littoral	Amer. Acad. in Rome	Prof. McCann	Etruscan Roman under- water	Exploration Site Mapping	Mid- July
<u>POMPEII</u>	Univ. of Maryland	Prof. Jash- emski	Roman	Exc. Recording Site Mapping Training	Late July
<u>STOBI</u> Jugoslavia	Boston Univ. Texas Univ.	Prof. Wiseman Prof. Mano- Zissi	Byz. & Roman	Exc. Record Site Mapping Training	Early Aug.
<u>KOILADA</u> Greece (tentative)	Univ. of Pa. Univ. of Ind.	Prof. Jameson Prof. Jacobson	Archaic	Site Record.	Late Aug. (tentative)

Systems to be used on Expeditions 1974

Hot Air Balloon for KOILADA only
 Hydrogen Balloon all other sites
 Portable Bipod CHACO, BUCCINO, POMPEII and STOBI
 Airfoil for demonstration at CHACO
 Hasselblad multi-band system at all sites.
 New 35 mm multi-band for test at BUCCINO and STOBI.

Directors

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 Michael H. Jameson • William A. McDonald • Julian H. Whittlesey

